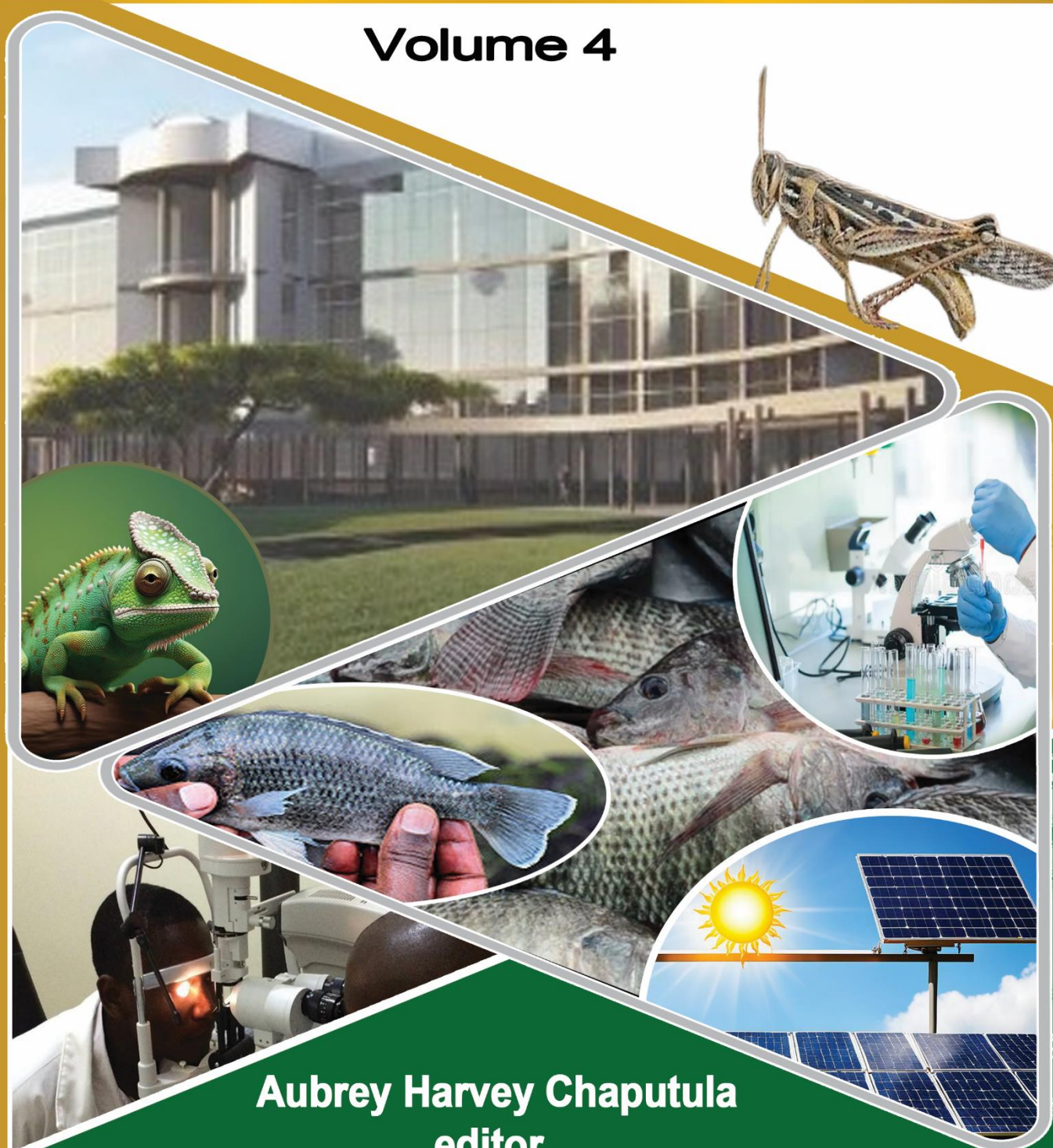




MZUZU UNIVERSITY

Directory of Research and Publications

Volume 4



Aubrey Harvey Chaputula
editor

DEDICATION

Mzuzu University researchers who defy the odds to punch above their weight.

INTRODUCTION

Mzuzu University has over 200 academic members of staff spread across six faculties namely Education; Environmental Sciences; Health Sciences; Tourism, Hospitality and Management; Humanities and Social Sciences; and Science, Technology and Innovation. One of the key obligations of academic staff is to conduct research. Products of the research works by the staff is disseminated through books and book chapters, journal articles and conference papers. This publication captures these works.

The Directory of Research and Publications captures the profiles and publication records of Mzuzu University academic members of staff. Staff that fall within the academic staff cadre at Mzuzu University include those holding the ranks of staff associates (associate lecturers), assistant lecturers, lecturers, senior lecturers, associate professors and full professors working in the various academic departments, faculties and research centres. Much as this is the case, only records of academic staff from the rank of lecturer and above are included in this directory. This decision was made on the premise that individuals might only engage in serious research work after attaining a master's degree, and most of the academic staff below the rank of lecturer may not have acquired this qualification yet. Senior staff from the Library and Learning Resources Centre (LLRC) from the rank of assistant librarian and above, also fall within the academic staff cadre hence their profiles have been included.

The first volume of the Directory of Research and Publications was published in 2018. The Directory was introduced upon noticing that there were a lot of research activities being undertaken by Mzuzu University academic members of staff. However, there was no credible outlet of publicising or showcasing such type of activities. This may have in part contributed to the relatively low rankings of the University over the years as very little was known about the University in this area. Ever since, the Directory has grown in popularity among academic staff evidenced by the frequency of publication (current compilation representing volume 4), and large number of academic staff contributing their profiles or indeed updating their profiles on a yearly basis. Likewise, the profiles of academic staff keep growing year by year testifying to the growing stature of the University in the field of research.

This year's publication has included a statistical table summarising research works being undertaken in the various faculties, departments and centres. Inclusion of this table adds value

to the publication because it provides valuable data which the University can use in reporting to various agencies when the need arises. The data also showcases the most productive faculties and departments within the University, and those lagging behind. This could assist in coming up with appropriate interventions to help those that are lagging behind to improve but also motivate those that are doing well to inspire them to perform even better.

FOREWORD



We are excited to introduce Volume 4 of the Directory of Research and Publications of Mzuzu University. Our aim is to disseminate research findings from various members of the academy of Mzuzu University through publications. Research findings need to be shared to assist our stakeholders, partners and the community at large to identify the skills and expertise that are readily available at the University leading to their full utilisation.

Research is a prerequisite for the success and credibility of any academic institution around the globe. The mandate of Mzuzu University is primarily to produce new knowledge, and impart new skills to its student population while also influencing national and international policies. With the new Research Policy and Research Agenda, we seek to continue Mzuzu University's growth and improvement in research, teaching and quality of learning.

To the University, research and publication contributes to the fulfilment of our mission which is to provide high quality education, training, research and complementary services to meet the technological, social and economic needs of individuals and communities in Malawi and the world. In addition, it helps to improve the scholarly reputation of the University. Universities the world over are responsible for research, knowledge generation, scholarship and innovation. They also serve as conduits for the transfer, adaptation, and dissemination of knowledge generated across the world. Universities are expected to guarantee the most efficient utilisation of research results and their possible application to economic life. Furthermore, the Malawi government aims at strengthening capacity in research for evidence-based policy making as outlined in several development agendas and policies.

For individual members, research and publication improves their personal profile leading to career advancement. Mzuzu University has a number of faculties and disciplines ranging from the natural sciences, technology, engineering, mathematics, education, humanities, social sciences, to health sciences. The 4th volume of the Mzuzu University Research Directory is a wholesome compilation of all published research works by members in the university, and showcasing the great diversity and prowess of the academia. It is for this reason that the current publication is bigger than the previous publications.

A handwritten signature in blue ink, appearing to read 'F. Kapute'.

Prof. Fanuel Kapute PhD

DIRECTOR OF RESEARCH

ACKNOWLEDGEMENT

The Editor would like to thank the Mzuzu University Directorate of Research for the support rendered during the compilation of this publication. More thanks should go to Mr. Leo Chorwe for designing the cover page, and doing the type setting.

The Editorial Team is also grateful to academic members of staff who continue to support this publication by contributing material for inclusion in this directory on a yearly basis. It is my hope that this trend will continue.

TABLE OF CONTENTS

DEDICATION	i
INTRODUCTION	iii
FOREWORD	v
ACKNOWLEDGEMENT	vii
TABLE OF CONTENTS.....	ix
FACULTY OF EDUCATION.....	1
DEPARTMENT OF EDUCATION FOUNDATIONS.....	2
GRAMES WELLINGTON CHIRWA, PhD; MEd; BEd (Hons); BEd	3
MARISEN MWALE, PhD; MEd; B Ed	6
HAJIRA BLAMU HASSAN MITUMBA, MEd; BEd	10
DEPARTMENT OF TEACHING, LEARNING AND CURRICULUM STUDIES	11
LYDIA LUMBANI KISHINDO-MAFUTA, PhD; MA; BEd.....	12
SIMEON MACKSON GWAYI, PhD; MA; B Ed (Sc.)	14
VICTOR MGOMEZULU, PhD; MEd; B Ed; Dip. Ed; Dip. Mgt.....	17
FACULTY OF ENVIRONMENTAL SCIENCES	21
DEPARTMENT OF AGRI-SCIENCES	21
FRANK MNTHAMBALA, PhD; MSc; BSc	23
NYUMBANI MOYO, MSc; BBA	25
MAVUTO TEMBO, PhD; MSc; BSc	26
DEPARTMENT OF BUILT ENVIRONMENT	29
CAROLINE CHINGAMTOLO, MSc.RE; BSc	30
LUCKY KABANGA, PhD; MSc; BSc	31
JAPHET KHENDLO, MSc; BSc	33
LOUDON LUKA, MA; PgD; B. Ed	34
MTAFU MANDA, PhD; MSc; PgD (Housing); PgD (Pop); B. Soc. Sc.	35
ISAAC MATIDZA, MBA; BSc.	38
DEPARTMENT OF FISHERIES AND AQUATIC SCIENCES	39
ELIAS CHIRWA, PhD; MSc; B (Ed)	40
ROBERT ISRAEL JERE, MSc; BSc; Dip. (Agric.)	43
FANUEL KAPUTE, PhD; MSc; BSc; Dip.	44

BENJAMIN KONDOWE, PhD; MSc; BSc (Hons).....	54
KUMBUKANI MZENGEREZA, PhD; MSc; BSc.	57
WILSON SAWASAWA, MSc; BSc.	61
WALES SINGINI, PhD; MSc; BSc.....	63
DEPARTMENT OF FORESTRY AND ENVIRONMENTAL MANAGEMENT	71
FRANCIS KAMANGADAZI, MSc; BSc.	72
VICTOR KASULO, PhD; MA; BSoc	73
IVY SICHINGA LIGOWE, PhD; MSc; BSc; Dip.....	77
KENNEDY MASAMBA, MSc; BSc.....	82
JARRET MHANGO, MSc; BSc; Dip. (Agric),	84
LUSAYO MWABUMBA, MSc; BSc. (Hons); BSc	87
ELISHA STEPHEN NGULUBE, MSc, BSc	90
DALO NJERA, MSc; BSc.....	92
DEPARTMENT OF GEOSCIENCES	96
JAMES GONDWE, MSc; BA (Ed).....	97
JAMES KUSHE, MSc; BA (Ed)	99
DEPARTMENT OF WATER RESOURCES MANAGEMENT AND DEVELOPMENT	100
RUSSEL C.G. CHIDYA, PhD; MSc; BSc.....	101
BRIGHTON AUSTIN CHUNGA, PhD; MSc; BSc	111
MPHATSO MALOTA, MSc; BSc	114
FACULTY OF HUMANITIES AND SOCIAL SCIENCES	118
DEPARTMENT OF COMMUNICATION STUDIES	119
ELIDA TAFUPENJI KAMANGA, MA; BEd.....	120
PRECIOUS MADULA, PhD; MA; BA (Ed).....	121
DEPARTMENT OF GOVERNANCE, PEACE AND SECURITY STUDIES.....	123
GEORGE ABEL MHANGO, MA; BA (Pub.)	124
EUGENIO NJOLOMA, MSocSci; BSocSci (Hons); BSocSci.....	126
THEODORA THINDWA, MA; BA.....	128
DEPARTMENT OF HISTORY AND HERITAGE STUDIES	130
HARVEY CHIDوبا BANDA, PhD; MA; BA	131
HENRY CHIWAURA, PhD; MA; PGD; BA	132
MWAYI WOYAMBA LUSAKA, PhD; MA; PGD, B.Ed.	135

CHRISPIN MPHANDE, PhD; MA, BEd.....	139
JUDITH MWANDUMBA, MSocSc; BA(Hons); BA (Ed).....	141
BRYSON GWIYANI NKHOMA, PhD; MA; B. Ed.....	142
JAMU K. B. NYIRENDA, PhD; MA; B.Ed.....	147
DEPARTMENT OF INFORMATION SCIENCE.....	149
WINNER DOMINIC CHAWINGA, PhD; MLIS; BLIS.....	150
GEORGE CHIPETA, PhD; MLIS; BA (Hons) LIS; BA, LIS	155
LIMBANI CHRISPIN GAMA, MLIS; BLIS	158
SELLINA KHUMBO KAPONDERA, PhD; MLIS; BLIS.....	159
FISKANI NGWIRA, MLIS; BLIS; Dip. LIS.....	162
RHODRICK ANDREW PADONI, MLIS; BLIS	164
AUSTINE PHIRI, MLIS; BLIS	165
DEPARTMENT OF LANGUAGE, CULTURAL AND CREATIVE STUDIES=.....	168
AGNESS CHIMANGENI CHALIWA HARA, PhD; MA; BA.....	169
WELLMAN KONDOWE, PhD; MA; B Ed	172
CHIMWEMWE MAYINDE MYSTIC KAMANGA, PhD; MA; BA (Ed)	175
SERAH NAMULISA KASEMBELI, PhD; MA; BEd.....	178
JOSHUA ISAAC KUMWENDA, PhD; MA; BA (Ed)	180
PRECIOUS LUNGU, MA.....	182
EVANS LWARA, MA; BA; UCE	183
WILLIAM MAULIDI, MSc; MIP; BA (Ed)	185
DEBORAH NDALAMA MTAWALI, MA; BA	187
DEPARTMENT OF THEOLOGY AND RELIGIOUS STUDIES.....	189
RACHEL NYAGONDWE FIEDLER, PhD; MA; BTh; Dip (Agric.); UCE.....	190
RICHARD GRACIOUS GADAMA, PhD; M TH; BA.....	193
COGITATOR WILTON YAWAKA MAPALA, PhD; MEd; MTh; BD; UCE	195
JOYCE DAINESS MLENGA, PhD; MDiv.; BA; UCE	197
RHODIAN MUNYENYEMBE, PhD; MEd; MA; BA.....	199
FACULTY OF SCIENCE, TECHNOLOGY AND INNOVATION	204
DEPARTMENT OF BIOLOGICAL SCIENCES	205
YANKHO CHAPETA NYIRONGO, MSc; BSc	206
McLENELIOUS CLEMENT CHIMENYA, MSc; BEd (Hons); Bed.; DipEd.	208
MASTER R. O. CHISALE, MSc; BSc (Biomed.)	210
PAUL MUTIYENKHU MUNYENYEMBE, PhD; MSc; BSc	214

SAUL ERIC MWALE, PhD; MSc; BSc	216
MICHAEL MZIREKELENGE NKOSI, MSc; BSc	219
TWALIBU NORMAN GRAYSON TANDWE, MSc; BEd-Sc. (Hons); Dip. Ed (Sc.).....	220
DEPARTMENT OF CHEMISTRY	222
LEWIS GULULA, MSc; BSc (Hons); BSc.....	223
JOHN KAMANULA, PhD; MSc; BSc	225
CHARLES BENJAMIN LUHANA, PhD; MSc; BEd	228
FRIDAY FRED FOSTA MASUMBU, PhD; MSc; BSc (Hons); UCE.....	230
ELIJAH MALINGA MENARD WANDA, PhD; MSc; BSc	232
DEPARTMENT OF ENERGY SYSTEMS	238
MAXON CHITAWO, PhD; MSc; BSc	239
ISAAC CHITEDZE, MSc; BSc	241
KONDWANI GONDWE, MEngSc; BSc	242
SHAIBU ALI JUMA, MSc; B. Eng (Hons)	243
TIMEYO MKAMANGA MAROYI, MSc; BSc	245
VINCENT DODOMA MWALE, MSc., BSc.	246
COLLEN ZALENGERA, PhD; MSc; BSc.....	248
DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGIES.....	251
EMMANUEL NGALANDE, MSc; BSc.....	252
CHIMANGO NYASULU, PhD; MSc; BSc	253
DEPARTMENT OF MATHEMATICS AND STATISTICS	255
ATIPATSA CHIWANDA KAMINGA, PhD; MSc (ITCC); BSc (Ed)	256
PAUL KUBWALO, MSc (ITCC); BSc (Ed).....	259
KHUMBO KUMWENDA, PhD; MSc (ITCC); BSc (Ed)	260
GEORGE LUWANDA, PhD; MSc; BSc	262
EDNA CHILENJE MANDA, PhD; MSc; BEd.....	263
NEPHTALE BVALAMANJA MUMBA, PhD; MSc; MSc; B Ed (Sc)	264
AUGUSTINE MUSUKWA, PhD; MSc (ITCC); BSc	266
DEPARTMENT OF PHYSICS	267
MAVUTO HAROLD BANDA, MSc; BSc (Ed)	268
LEONARD CHALEMBA, PhD; MSc; BSc	269
ANGEL NYIRENDA, PhD; MSc; BSc.....	270
THOKOZANI KAMOTO, MSc; BSc (Hons); BSc (Ed)	271
FACULTY OF HEALTH SCIENCES	273

DEPARTMENT OF BIOMEDICAL SCIENCES	274
FELIX DAMBULA, MSc; BSc.....	275
PIZGA KUMWENDA, PhD; MRes; MSc; BTech; Dip	276
DEPARTMENT OF NURSING AND MIDWIFERY	278
THOKOZANI BVUMBWE, PhD; MCur.; BSc.....	279
NATHANIEL CHIMBATATA, PhD; MSc; BSc.....	282
ETTAH CHIMBE-PHIRI, MSc; BSc; UCM	284
MEP CORETTA CHIPETA, MSc NED; BScN; UCM	285
GRIPHIN BAXTER CHIRAMBO, PhD; MSc-MHN; BSc; Post Grad Dip MHN.....	288
ATUPELE MALEMA, MSc Epi; BScN; UCM	292
FERESTAS MPASA, PhD; MSc; BSc.....	293
ELLEN SAMWIRI NKAMBULE, MSc, RNM; BSc	295
TAMARA PHIRI, PhD; MSc; BSc	297
ELLEMES PHUMA-NGAIYAYE, PhD; MSc; BSc; UCM	299
ELWIN SHAWA, MSc; BSc; UCM.....	301
DEPARTMENT OF OPTOMETRY	302
AFONNE JOSEPH CHINKATANTA, OD	303
CHIKASIRIMOBHI GOODHOPE TIMOTHY, OD.....	305
FACULTY OF TOURISM, HOSPITALITY AND MANAGEMENT	308
DEPARTMENT OF TOURISM.....	309
JAMES MALITONI CHILEMBWE, PhD; MSc; BSc; Adv. Dip. IATA; Dip. Tour. Mgt.....	310
GRACE KAMANGA, MTour; BSc.....	313
ZANDIVUTA KANKHUNI, PhD; CHIA; MMgt; BSc.....	315
CECILIA NDAMIWE NGWIRA, PhD: M. Mgt; BSc.	317
DEPARTMENT OF HOSPITALITY MANAGEMENT.....	319
LAMECK ZETU KHONJE, PhD; MA; BTech.....	320
MICHAEL BENNETT SEPULA, PhD; MSc; B Ed; Dip.	321
LIBRARY AND LEARNING RESOURCES CENTRE	324
AUBREY HARVEY CHAPUTULA, PhD; MLIS; BA (Ed)	325
MALOTO CHAURA, MLIS; BLIS; Dip. (LIS)	329
GIFT ALFRED DUBE, MSc (LIS); BA (Ed)	331
ALLAN JAMES KANYUNDO, MLIS; BLIS; DLIS.....	333
LIZZIE MALEMIA, MLIS; BSc (Ed)	335

STATISTICAL REPORT OF THE RESEARCH OUTPUT	338
FACULTY OF EDUCATION.....	339
FACULTY OF HUMANITIES AND SOCIAL SCIENCES	343
FACULTY OF SCIENCE TECHNOLOGY AND INNOVATION	346
FACULTY OF HEALTH SCIENCES	349
FACULTY OF TOURISM, HOSPITALITY AND MANAGEMENT	351
LIBRARY AND LEARNING RESOURCES CENTRE	352
TOP RANKED FACULTIES BY RESEARCH OUTPUT.....	353
TOP RANKED RESEARCHERS BY RESEARCH OUTPUT.....	354

FACULTY OF EDUCATION

The Faculty of Education was the first faculty to be established at Mzuzu University. The goal of the Faculty is "to prepare teachers and tutors with sound professional ethics and appropriate skills and attitudes for effecting competence-based learning in educational institutions". The faculty offers degree programmes at undergraduate and postgraduate levels. The faculty has three departments namely Educational Foundations, Teaching, Learning and Curriculum Studies and Inclusive Education.

VISION

To be a premier provider of teacher education, training, research, innovation and outreach in Malawi and beyond.

MISSION

To provide high quality teacher education, training, research, and complementary services to meet the educational demands of Malawi and the world.

RESEARCH ACTIVITIES

The faculty carries out research focusing on education management and administration, learning difficulties and pedagogical methods.

DEPARTMENT OF EDUCATION FOUNDATIONS

Department of Education Foundations was created in 2018 through the reorganisation of the Department of Education and Teaching Studies. The Department offers courses in psychology, sociology and general education courses.

RESEARCH AREAS

Academic members of staff within the department carry out research in the following thematic areas: Educational leadership, governance and reform; cognitive and socio-emotional competence development in kindergartens; schools, higher education and adult life; teacher education and professional development.

GRAMES WELLINGTON CHIRWA, PhD; MEd; BEd (Hons); BEd

ORCID: <http://orcid.org/0000-0002-5022-4489>

RESEARCH INTERESTS

- Teaching pedagogies
- Curriculum design, development and implementation
- Education and development
- Sociological and psychological issues in education

Title of PhD Thesis:

An Illuminative evaluation of the Standard 7 and 8 Expressive Arts teachers in Malawi: A case study of four primary schools in Zomba District.

Title of Master's Dissertation:

A case study of the challenges facing the implementation of Lifeskills Education in primary schools in Zomba district.

JOURNAL PUBLICATIONS

Singano, C., **Chirwa, G.W.**, Nyoni, P. and Myrie, D. (2024), "Factors Affecting Girls Learning in co-education secondary schools in Malawi: A Case study of Zomba District", *African Journal of Gender, Society and Development* Vol. 13 No. 2, pp. 111-131.

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Bostain, M. **Chirwa, G.W.** and Nyoni, P. (2024), “Factors Affecting the Provision of Quality Education in Community Day Secondary Schools in Malawi: A Case study of Mangochi District”, *Science and Research Journal*, Vol. 7 Np. 2, pp. 143-154.

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Chirwa, G. and Naidoo, D. (2014), “An illuminative evaluation of Expressive Arts lessons in the primary schools in Malawi”, *Southern African Review of Education*, Vol. 20 No. 2, pp. 41-58.

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Chirwa, G. and Naidoo, D. (2014), “Curriculum Change and Development in Malawi: A Historical Overview”, *Mediterranean Journal of Social Sciences*, Vol.5 No.16, pp. 336-345.

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Chirwa, G. The trajectory of Critical Thinking pedagogies in Malawi. Paper presented at Southern African Teacher Educators Platform Conference, Windhoek, Namibia, November, 2017.

Chirwa, G. Pedagogical practices of primary school teachers in Malawi: the case of Expressive Arts teachers. Paper presented at the South African Education Research Association (SAERA), Durban, 14-15 August, 2014.

Chirwa, G. An illuminative evaluation of Expressive Arts in the primary schools in Malawi. Paper presented at the South African Monitoring and Evaluation Biannual conference, Emperor’s Palace, September 2011.

Chirwa, G. An illuminative evaluation of Expressive Arts in the primary schools in Malawi. Paper presented at the Kenton Education conference, Cape town, November, 2011.

Chirwa, G. The innovation in the new primary school curriculum in Malawi-the P-class (Co-presented with colleagues). SADC conference on Curriculum and Assessment in the 21st Century, Sun and Sand Hotel, September, 2004.

MARISEN MWALE, PhD; MEd; B Ed

ORCHID: <https://orcid.org/0000-0001-5999-0297>

RESEARCH INTERESTS

- Adolescent health and psychology
- Public health, associations/links
- Population, Health and Environment
- Education - Child and Adolescent development
- Cognitive development

BOOK PUBLICATIONS

Mwale, M. (2012) *Prevention Models, Cure research, and Epidemiological studies: HIV/AIDS and other Communicable Disease in Sub-Saharan Africa*, Berlin, Germany: Lap publishers.

Mwale, M. (2011) *Adolescent Psychology: The African Perspective*, 2nd edition, Berlin, Germany: Lap Publishers.

Mwale, M. (2011) *Adolescent Risk Perception, Cognition and Self-Assessment: A study performed among adolescents in Zomba- Malawi*, Berlin, Germany: Lap publishers.

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Mwale, M. and Muula, A.S. The Efficacy of peer education in sexual behavioural change among school –going adolescents in Northern Malawi: A quasi experiment. Poster presentation at the 14th International Conference on HIV Treatment, Pathogenesis and Prevention Research in Resource-Limited Settings [INTEREST – Virtual Conference] 30th November – 4th December, 2020.

Mwale, M. and Muula, A.S. The efficacy of peer education in HIV risk reduction and sexual behaviour change among adolescents in Northern Malawi: a Quasi experiment. Paper presented at the College of Medicine 23rd Research Conference 22nd -24th November, 2019.

Mwale, M. and Muula, A.S. Stakeholder Acceptability of the risk reduction behavioural model (RRBM) as an alternative model for sexual behavioural change among adolescents in Malawi: an appraisal study. Paper presented at the College of Medicine 23rd Research Conference 22nd -24th November, 2019.

Mwale, M. and Muula, A.S. Effects of adolescents’ exposure to a school-based HIV risk reduction intervention in northern Malawi: a quasi-experiment to test the HIV risk reduction model. Paper presented at the College of Medicine 22nd Research Dissemination Conference 23rd-24th November, 2018.

Mwale, M., Muula, A.S. Adolescents’ exposure to HIV and AIDS behaviour change interventions [BCI] and implications on their HIV risk reduction in Northern Malawi: a situation analysis. Paper presented at the College of Medicine 21st Research Dissemination Conference – 24th-25th November, 2017.

Mwale, M., Muula, A.S. Implications of Peer Education within the Risk Reduction Behavioural Model [RRBM] in HIV risk reduction among adolescents in Northern Malawi: Methodology to Randomized controlled trial. Paper presented at the College of Medicine 21st Research Dissemination Conference – 24th-25th November, 2017.

Mwale, M. and Muula, A. Adolescent psychosocial Behaviour Change Interventions [BCI] and their effectiveness vis-a-vis the HIV and AIDS pandemic among adolescents in sub-Saharan Africa: Systematic evidence from literature. Paper presented at the National AIDS Commission Research and Best Practices Dissemination Conference held at the Bingu International Conference Centre in Lilongwe – Malawi, 12 to 13 November, 2015.

Mwale, M. and Muula, A. Adolescent psychosocial Behaviour Change Interventions [BCI] and their effectiveness vis-a-vis the HIV and AIDS pandemic among adolescents in sub-Saharan Africa: Systematic evidence from literature. Paper presented at The College of Medicine 19th Research Dissemination Conference held at the College of Medicine in Blantyre -Malawi on 21 November, 2015.

Mwale, M., Muula, A., Chirwa, M., Malewezi, M. and Nanthulu, B. Factors determining Voluntary Counseling and Testing [VCT] for HIV among low-income women: Focus group findings from rural, urban, and peri-urban women groups in Lilongwe District- Malawi. Paper presented at the The College of Medicine 15th Research Dissemination Conference held at the College of Medicine in Blantyre Malawi on 9 November, 2011.

HAJIRA BLAMU HASSAN MITUMBA, MEd; BEd

RESEARCH INTERESTS

- Special needs and inclusive Education
- School leadership and policies
- Gender and disability
- Psychology
- Language and disability

Title of Master's Dissertation:

Inclusive Education in Mainstream Secondary Schools in Malawi: An investigation of how teachers teach pupils with learning difficulties in Mathematics in Regular classrooms.

JOURNAL PUBLICATIONS

Mitumba, H. and Chirwa, G.W. (2024), "Experiences of Learners with Mathematics Learning Difficulties in Regular Classrooms in Malawian Secondary Schools", *East African Journal of Education and Social Sciences*, Vo. 4 No. 6, pp. 120-126.

DEPARTMENT OF TEACHING, LEARNING AND CURRICULUM STUDIES

Teaching, Learning and Curriculum Studies is one of the new departments within the Faculty of Education that was created in 2018. The department aims to produce graduates that are well versed with modern teaching and learning techniques particularly for the secondary school education sector.

RESEARCH AREAS

Members of staff within the Department of Teaching, Learning and Curriculum Studies carry out research in the following areas: Curriculum and instruction, subject-specific teacher preparation and development, and learners and learning.

LYDIA LUMBANI KISHINDO-MAFUTA, PhD; MA; BEd

ORCID: <http://orcid.org/0000-0002-3679-7758>

RESEARCH INTERESTS

- Language Education
- Teaching English as a Second Language
- Second Language Acquisition

Title of PhD Thesis:

An exploration on how Teacher Training Institutions in Malawi Integrate Theory and Practice for English Language Teachers.

Title of MA Dissertation:

The Role of Discourse in the Promotion of the Education of the Girl Child in Malawi: A Case of Selected Secondary Schools in Zomba.

BOOK CHAPTER PUBLICATION

Kishindo-Mafuta, L. (2024), “Language Policy in Education: Rethinking the Teaching of Vernacular Languages in Schools in Malawi”, in Kondowe, W., Kamanga, C. & Madula, P. (Eds), *Multilingualism in Southern Africa: Issues and Perspectives*, New York: Routledge.

BOOK CHAPTER PUBLICATION

Kishindo-Mafuta, L. and Kondowe, W. (2017) *Miyambi ndi Nthano Mchichewa/Chichewa Proverbs and Folktales*, Blantyre: Dzuka.

JOURNAL PUBLICATIONS

Kishindo-Mafuta, L. (2022), “Towards harmonisation of Language Education Programmes in Malawi: An Analysis of Language Teacher Programmes”, *International e-Journal of Education Studies*, Vol. 6 No. 11, pp.11 – 24.

Kishindo-Mafuta, L. (2021), “Bridging the gap between theory and practice: An analysis of Mzuzu University’s Bachelor of Education (Language) programme”, *Open Journal of Social Sciences*, Vol. 9, pp. 167 – 181.

Manda, M., Kondowe, W., Ngwira F. and **Kishindo, L.** (2016), “An analysis of verbal extensions in Malawian Tonga: Towards Mirror Principle and Templatic Morphology”, *International Journal of Linguistics*, Vol. 8 No. 4, pp. pp. 66-82.

Kishindo, L. (2013/2014), “The role of Discourse in the Promotion of the Education of the Girl Child in Malawi”, *Journal of Humanities*, Vol. 23, pp. 39 – 65.

Mjaya, A., Mkandawire, K., **Kishindo, L.**, Kalikokha, C. and Lora-Kayambazinthu, E. (2006), “An evaluation of Language in Education Policy from 1968 to Present”, *Journal of Humanities*, Vol. 20 No. 1, pp. 1 – 27.

CONFERENCE PROCEEDINGS PUBLICATION

Kishindo-Mafuta, L., Kitha, B. and Dzikanyanga, N. (2023), “Assessing The Impact of Access to Higher Education Through Open Distance and E-Learning (Odel) On Quality at Mzuzu University”, in Ridley, R. and Gausi, H. (Eds), *Proceedings of the 1st and 2nd International Conferences on Higher Education in Malawi*, Universities and Colleges Association in Malawi (UCAM).

CONFERENCE PAPERS

Kishindo-Mafuta, L., Kitha, B. and Dzikanyanga, N. *Assessing the Impact of Access to Higher Education Through Open Distance and E-Learning (Odel) On Quality at Mzuzu University*. Paper presented at the Second International Conference on Higher Education held at Sunbird Nkopola Lodge from 24th to 25th June 2021.

SIMEON MACKSON GWAYI, PhD; MA; B Ed (Sc.)

ORCID: <https://orcid.org/0000-0001-9630-8680>

RESEARCH INTERESTS

- Teacher development
- Teaching, learning and assessment
- Innovation diffusion in education
- Science Education
- Distance learning
- Curriculum implementation

Title of PhD Thesis:

Perceptions of innovations as predictors of TALULAR implementation levels among secondary school science teachers in Malawi: A diffusion of innovations perspective.

Title of Master's Dissertation:

Establishment of Distance Education for Secondary School Teachers in Malawi, Africa: A National Needs Assessment.

BOOK CHAPTERS

Itimu-Phiri, A.N., Gwayi, S.M. and Itimu, A.E. (2017), "The Republic of Malawi", in Wehmeyer, M.L. and Patton, J.R. (Eds.), *Praeger International Handbook of Special Education (Vol. 1)*. California: Praeger, pp. 225-239.

Zozie, P. A., Sanga, M. W., **Gwayi, S. M.**, Nyirongo, N. K., Kanyengambala, J. C., Perkins, R. A. and Locke, B.B. (2004), "Establishment of Distance Education for Secondary School Teachers in Malawi, Africa: A National Needs Assessment", in Fitzgerald, M.A. Orey, M. and Branch, R.M. (Eds.), *Educational Media and Technology Yearbook. Vol. 29*, Westport, CT: Libraries Unlimited, pp. 51-60.

BOOK EDITED

Kalibwanji.O.B. (1999), *A Junior Certificate Physical Science*, 2nd ed., Zomba: Chancellor College Publications.

JOURNAL ARTICLES

Gwayi, S.M. (2016), "Developing fair and useful assessment tools: Test characteristics and the moderation process", *Education and Society in Southern Africa*, Vol.3 No. 3, pp. 3-30.

Jere, D.R. and **Gwayi, S.** (2016), “Demystifying assessment in higher education: A comparative study of undergraduates’ academic performance in Malawi universities with large enrollments in a single class/subject”, *Journal of Arts, Science & Commerce*, Vol. 4 No. 1, pp. 108-115.

Holm, R., Singini, W. and **Gwayi, S.** (2016), “Comparative evaluation of the cost of water in northern Malawi: From rural water wells to science education”, *Applied Economics*, Vol. 48 No. 47, pp. 1-11.

Holm, R., Stroud, R., Msilimba, G. and **Gwayi, S.** (2015), “Functionality and water quality of elephant pumps: Implications for sustainable drinking water supplies in rural Malawi”, *Groundwater for Sustainable Development*, Vol. 1 No. 1-2, pp. 129–134.

Holm, R., Wanda, E., Kasulo, V. and **Gwayi, S.** (2014), “Identification of the potential opportunities, barriers, and threats within the sector in taking up sanitation as a business: Rural sanitation in Nkhata Bay District”, *Waterlines*, Vol. 33 No. 3, pp. 269-274.

Singini, W., Msilimba, G. and **Gwayi, S.** (2013), “Logit analysis of factors influencing adoption of community led total sanitation in Malawi: A case of GSF target districts”, *Journal of Applied Sciences in Environmental Sanitation*, Vol.8 No. 4, pp. 293-301.

Perkins, R. A., **Gwayi, S. M.**, Zozie, P. A. and Lockee, B. B. (2005), “Distance education in Malawi”, *Educational Technology Research and Development*, Vol. 53 No. 4, pp. 101-108.

CONFERENCE PAPERS

Gwayi, S.M. and Jere, D.R. Pre-service teachers’ feedback on school-based teaching practice: Perspectives on readiness, support and satisfaction. Abstract for paper accepted for presentation at the 2017 National Research Dissemination Conference (NRDC) organized by the National Commission for Science & Technology (NCST) held at Sun and Sand Holiday Resort, Mangochi, 27 to 29 September, 2017.

Gwayi, S.M. Pre-service physics teachers’ views about microteaching: Lesson planning, implementation and analysis. Paper presented at the International Conference on Teaching and Learning of Mathematics and Science, Sagecoa Golden Peacock Hotel, Lilongwe, Malawi, 19 to 22 June, 2017.

Mdolo, M., **Gwayi, S.** and Mpewe, C. Investigating competencies required to effectively assess pre-service teachers on school-based teaching practice. A paper presented at the Southern African Association for Research in Mathematics, Science and Technology Education (SAARMSTE) conference held at Tshwane University of Technology, Arts Campus, Pretoria, RSA, 12 to 15 January, 2016.

Gwayi, S.M. Characteristics of a Good Test and the Moderation Process. Paper presented at the Symposium for Mzuzu University Academic Staff held at St. John of God Conference Hall in 2011.

Gwayi, S.M. The role of perceived innovation characteristics in predicting implementation: The diffusion of TALULAR instructional innovation among secondary school science teachers in Malawi. Paper presented at the Virginia Polytechnic Institute & State University's School of Education Academic Association (SOEAA) Annual Research Conference in Blacksburg, Virginia, Graduate Life Centre at the Blacksburg campus, 22 to 23 February, 2009.

Gwayi, S.M., Nyirongo, N., Zozie, P., Sanga, M., Lockee, B.B. and Burton, J. Adaptation and distance delivery of instructional technology programs for developing countries: The case of Virginia TechMzuzu University UPIC project in Malawi. Paper presented at the 2008 Association for Educational Communications and Technology (AECT) International Convention: "On the Horizon... Rays of Change", Orlando, FL, 4 to 8 November, 2008.

Gwayi, S.M. Research on human cognition and design implications for eLearning. Paper presented at the 31st Eastern Educational Research Association (EERA) Annual Conference. Hilton Head, South Carolina, Hilton Head Marriot Beach & Resort, USA, 20 to 23 February, 2008.

Gwayi, S.M. An Instructional Design Model for Distance Education. Paper presented at the 31st Eastern Educational Research Association (EERA) Annual Conference. Hilton Head, South Carolina, Hilton Head Marriot Beach & Resort, USA, 20 to 23 February, 2008.

Gwayi, S.M. Major challenges to the provision of science education in Malawi: A literature review. Paper presented at the Virginia Tech School of Education Student Association (SOESA) Third Annual Research Conference. Blacksburg, Virginia, Graduate Life Centre at the Blacksburg campus, 26 February, 2008.

Lockee, B., **Gwayi, S.M.,** Burton, J., Perkins, R. and Nyirongo, N. International Collaboration for Teacher Professional Development in Malawi, Africa. Paper presented at the Annual Convention of the Association for Educational Communications and Technology (AECT), Dallas, Texas, 10 to 14 October, 2006.

Burton, J., Zozie, P., **Gwayi, S.M.,** Nertha, N., Sanga, M., Lockee, B. and Perkins, R. Adapting an American online ITMA graduate program at Virginia Tech to a print-based distance graduate program in Malawi-Africa. Paper presented at the EERA (Eastern Educational Researchers Association) conference at Hilton Head, South Carolina (SC), USA, 23 February to 1 March, 2003.

VICTOR MGOMEZULU, PhD; MEd; B Ed; Dip. Ed; Dip. Mgt

ORCID: <https://orcid.org/0000-0001-8098-7201>

RESEARCH INTERESTS

- Educational Leadership and Management
- Teaching methods
- Teacher education
- Critical thinking

Title of PhD thesis:

Stakeholder Involvement in Strategic Planning: A Strategy to Mitigate the Effects of HIV and AIDS on Secondary Education in Botswana.

Title of Master's Dissertation:

Learner Involvement in Management Aspects of Senior Secondary Schools in the North-Central District of Botswana.

BOOK PUBLICATION

Mgomezulu, V.Y. and Kalua, F.A. (2013) *A guide to academic writing for beginners*, Mzuzu: MZUNI Press.

BOOK CHAPTER

Mgomezulu, V.Y. and Wamba, N.G. (2019), "The extent of decentralisation in education: evidence from selected secondary schools in the Northern Education Division in Malawi", in Vitallis Chikoko (Ed.). *Africa Handbook of School Leadership*, New York: NOVA Science Publisher, pp. 31-52.

Mgomezulu, V.Y. (2015), "Promoting research in a resource challenged environment: the case of Mzuzu University", in Halvorsen, T. and Ibsen, H. (Eds.), *Knowledge for a sustainable world*, Cape Town: African Minds and the Southern African –Nordic Centre, pp. 93-104.

JOURNAL PUBLICATIONS

Mwenda, D.B. and **Mgomezulu, V.Y.** (2018), "Impact of monetary incentives on teacher retention and attraction to rural primary schools: Case of the rural allowance in Salima District in Malawi", *African Educational Research Journal*, Vol. 6 No. 3, pp. 120-129.

Mgomezulu, V.Y. (2017), “A Review of the National Strategy on Inclusive Education (2017-2021) in Malawi”, *African Journal of Special and Inclusive Education*, Vol. 2 No. 1, pp. 22-30.

Mgomezulu, V.Y. (2016), “Book Review: The End of Leadership by Barbara Kellerman. 2012. HarperCollins Publishers, New York”, *Journal of Development and Leadership*, Vol. 5 No. 2, pp. 98-99.

Shawa, L.B. and **Mgomezulu, V.Y.** (2016), “Challenges of Implementing Contract Policies for University Academics in Malawi: A Case of Mzuzu University”, *Africa Education Review*, Vol. 13 No. 3-4, pp. 17-31.

Mgomezulu, V.Y. (2016), “Integrating the rights of the child with the local cultural values: a precursor for meaningful discipline in Malawi schools”, *Journal for Development and Leadership*, Vol. 5 No. 2, pp. 52-66.

Mgomezulu, V. (2016), “Does Experience of Hardship Deter Potential Candidates from Joining Teaching Profession? Case of Primary School Volunteer Teachers in Mzuzu Diocese in Malawi”, *Turkish Journal of Teacher Education*, Vol. 5 No. 2, pp. 74-83.

Mgomezulu, V. (2015), “Book Review: Improving the conditions of teachers and teaching in rural schools across African countries by Segun Olugbenga Adedjeji and Olanrewaju Olaniyan, 2011. UNESCO: International Institute for Capacity Building in Africa, Addis Ababa”, *Education and Society in Southern Africa*, Vol. 2 No. 1, pp. 76-78.

Kambewa, B.C. and **Mgomezulu, V.Y.** (2015), “Using Definition of Modern Method to Train Teachers: The Case of Dowa DAPP Teacher Training College in Malawi”, *Education and Society in Southern Africa*, Vol. 2 No. 1, pp. 28-49.

Wamba, N. and **Mgomezulu, V.** (2014), “The crisis in public education in Malawi”, *International Journal of Advanced Research*, Vol. 2 No. 4, pp. 323-332.

Mgomezulu, V.Y., Shawa, L.B. and Wamba, N.G. (2014), “Blending critical thinking skills with the teaching of subject matter: Case of a geography lesson in a Malawi School”, *AFRREV STECH: An International Journal of Science and Technology*, Vol. 3 No. 2, pp. 66-85.

Mgomezulu, V.Y., Wamba, N.G. and Shawa, L.B. (2013), “Training Learner-Leaders in School Management Aspects: A Strategy to Improving School Discipline in Botswana”, *African Journal of Teacher Education*, Vol. 3 No. 1, pp. 1-17.

Mgomezulu, V.Y. and Wamba, N.G. (2013), “Mzuzu university student teachers’ experiences and lessons: a case study”, *Education and Society in Southern Africa*, Vol. 1 No. 1, pp. 33-46.

Mgomezulu, V.Y. and Kruger, A.G. (2011), “Enhancing school HIV and AIDS strategic plan through expanded stakeholder involvement”, *Africa Education Review*, Vol. 8 No. 2, pp. 247-266.

Mgomezulu, V.Y. (2004), “Considerations for learner participation in managing indiscipline in senior secondary schools in Botswana”, *Mosenodi*, Vol. 12 No. 1-2, pp. 48-68.

CONFERENCE PROCEEDINGS

Mgomezulu, V.Y. Performance of vulnerable learners in a surrogate family: Case of Mzuzu Save Our Souls (SOS) Children’s Village. Paper presented at the International Conference of Education and Access: opening spaces for the marginalized held in Lilongwe, Malawi from 20 to 22 August, 2014.

Mgomezulu, V.Y. Promoting research in a resource challenged environment: The case of Mzuzu University. Paper presented at the Southern African-Nordic Centre (SANORD) International Conference held in Lilongwe, Malawi from 1 to 4 December, 2013.

Mgomezulu, V.Y. The effect of inducement on parent participation in school activities: A case of parent-teacher associations in some selected schools in Malawi. Paper presented at the Twelfth Biennial Conference of the International Association of Special Education held in Windhoek, Namibia from 10 to 14 July, 2011.

FACULTY OF ENVIRONMENTAL SCIENCES

The Faculty of Environmental Sciences was established in 2001. The Faculty aims at producing high quality graduates in environmental sciences that can spearhead technological knowledge and experience into production; business operations; and investments in the sphere of environment sciences. The Faculty is home to five departments which include Agri-business, Forestry and Environmental Management, Fisheries and Aquatic Sciences, Built Environment, and Water Resources Management and Development. The Faculty also houses the Center of Excellence in Water and Sanitation; and the Centre for Environmental Management.

RESEARCH ACTIVITIES

Academic staff within the Faculty of Environmental Sciences carry out interdisciplinary research as well as discipline specific research. Some of the research output emanating from the faculty is in the field of environmental management, water and sanitation, property management, disaster risk management, and community development.

DEPARTMENT OF AGRI-SCIENCES

The Department was established in 2016 in response to the emerging need for agricultural entrepreneurship and Transformative Community Development professionals with enough competence and technical knowledge to contribute to Malawi's farming and community development sectors. The Department targets enterprising applicants who are either aspiring or current agricultural entrepreneurs and who are passionate to be part of transforming Malawi's agricultural sector into one of the most thriving agricultural sectors and those who aspire to stimulate community development in a dynamic, innovative and practical manner. The Department offers courses mainly to students pursuing BSc, MSc and PhD degree programmes in Agriculture Value Chain and Transformative Community Development.

FRANK MNTHAMBALA, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0003-1990-6198>

RESEARCH INTERESTS

- Sustainable soil fertility/plant nutrition management
- Circular economy
- Waste management
- Climate change mitigation and adaptation

Title of PhD Thesis:

Evaluating Phosphorus Dynamics from Renewable Sources to Meet Crop Demand and Minimize Environmental Pollution in Malawi.

Title of Master's Dissertation:

Comparative Studies of Phosphorus (P) Sorption Indices and External P Requirement Relative to Effects of Conservation Agriculture.

BOOK CHAPTERS

Metson, G., Brownlie, W.J., Bausch, J.C., Jonell, M., Matsubae, K., **Mnthambala, F.**, Schill, C. and Tilley, E. (2022), "Consumption-the missing link towards phosphorus sustainability", in Brownlie, W.J., Sutton, M.A., Heal, K.V., Reay, D.S. and Spears, B.M. (Eds.), *Our Phosphorus Future*, Edinburgh, UK: Centre for Ecology and Hydrology, pp. 309-337.

JOURNAL PUBLICATIONS

Mnthambala, F., Tilley, E., Tyrrel, S. and Sakrabani, R. (2022), "Effect of Various Organic Fertilisers on Phosphorus Mineralisation, Use Efficiency and Maize Yield", *Resources*, Vol. 11 No. 10, pp. 1-10.

Mnthambala, F., Tilley, E., Tyrrel, S., & Sakrabani, R. (2021), "Phosphorus flow analysis for Malawi: Identifying potential sources of renewable phosphorus recovery", *Resources, Conservation and Recycling*, Vol. 173, 105744. <https://doi.org/10.1016/j.resconrec.2021.105744>.

Mnthambala, F., Maida, J.H.A., Lowole, M.W. and Kabambe, V.H. (2015), "Phosphorus sorption and external phosphorus requirements of ultisols and oxisols in Malawi", *Journal of Soil Science and Environmental Management*, Vol. 6 No. 3, pp. 35-41.

Mnthambala, F., James, H. M., Max, W. L. and Venon, H. K. (2015), “Soil management effects on phosphorus sorption and external P requirement in oxisols of Malawi”, *Journal of Soil Science and Environmental Management*, Vol. 6 No. 3, pp. 35-41.

CONFERENCE PROCEEDINGS

Mnthambala, F. Effect of organic fertilisers on soil health: A case study of maize study in Malawi. Paper presented at the EUROSIL conference held in Geneva, Switzerland, in 2021.

NYUMBANI MOYO, MSc; BBA

RESEARCH INTERESTS

- Value chain analysis,
- Entrepreneurship
- Small and medium enterprise development
- Sustainable value chain development
- Business strategy development

Title Masters Dissertation:

Situational Analysis of production, marketing and consumption of common beans in Malawi.

CONFERENCE PAPERS

Moyo, N., Mapemba, L., Amounor-Boardu, V. and Ross, K. Production and Marketing Constraints: Current Status and Future Outlook of Common Bean Sub-Sector in Malawi. Paper presented at the Grain and Legume Conference held in Burkina Faso, 13-18 August, 2017.

Mapemba, L., Mazunda, M. and **Moyo, N.** Contextual and factual analysis of common beans and its attributes. Paper presented at World Cowpea Conference, Livingstone, Zambia, 28 February - 4 March, 2016.

MAVUTO TEMBO, PhD; MSc; BSc

RESEARCH INTERESTS

- Effects of climate change
- Geographical information systems

Title of PhD Thesis:

A dynamic assessment of adaptive capacity to climate change: a case study of water management in Makondo, Uganda.

BOOK CHAPTERS

Tembo, M., Alistair, F. and Sengendo, H. (2015), “How a participatory geographic information system provides voice to demand services from government: A village case study”, in Fagan, H., Linnane, S., McGuigan, K.G. and Rugumayo, A.I. (Eds.), *Water is life: Progress to secure safe water provision in rural Uganda*, Warwickshire, UK: Practical Action Publishing.

Tembo, M. (2015), “Understanding adaptive capacity on the ground: a case of agro-pastoralists in Makondo Parish, Uganda”, in Munck, R., Asingwire, N., Fagan, H. and Kabonesa, C. (Eds.), *Water and Development: Good Governance after Neoliberalism*, London: Zed Books.

JOURNAL PUBLICATIONS

Kokou, B.K., Salumu, P.K., Balde, I., Nababi, J., Lufungula, G.A., Teteli, C., Wanjala1, F.P., Msiska, U., **Tembo, M.**, Munyenembe, P. and Rudant, J.-P. (2024), “Modelling the current and future spatial distribution area of *Adansonia digitata* L. in the context of climate change in Malawi (Southern Africa)”, *Journal of Agricultural Science*, Vol. 16 No. 9, doi:10.5539/jas. v16n9p41

Koko, B.K., Msiska, U., Wouyo, A., Salumu, P.K., Balde, I., Nababi, J., **Tembo, M.**, Munyenembe, P. (2024), “State of knowledge and perspectives on wild loquat: *Uapaca kirkiana* Mull.Arg (Euphorbiaceae) in Malawi (Southern Africa)”, *Revue Ecosystèmes et Paysages*, Vol. 4 No. 1, pp. 1-18. Doi: <https://doi.org/10.59384/reco-pays.tg4101>

Sallam, G.R., Aly, H.A., Lotfy, A.M., Abdel-Rahim, M.M., Fayed, W.M., Teiba, I.I., Mzengereza, K., **Tembo, M.**, Singini, W., Habib, Y.J. and Shehata, A.I. (2024), “Natural zeolite for heavy metal, ammonia removal, and physiological responses in European sea bass (*Dicentrarchus labrax*) juveniles tanks with different densities”, *PLoS ONE*, Vol. 19 No. 4, e0297844. <https://doi.org/10.1371/journal.pone.0297844>.

El Basuini, M.F., Abdel Fattah, A.M., El-Hais, A.M., Soliman, A.A., Amer, A.A., Gewaily, M., Zaki, M.A.A., Zaineldin, A.I., Dossou, S., Teiba, I.I., Mzengereza, K., **Tembo, M.**, Singini, W. and Shehata, A.I. (2024), “Dietary co-enzyme Q10 boosted the growth performance, antioxidative capacity, immune responses, and intestinal and hepatic histomorphology of grey mullet (*Liza ramada*)”, *Aquaculture Reports*, Vol. 36 102147.

Hussein, E.E., Habiba, M.M., Ashry, A.M., Al-Zayat, A.M., Teiba, I.I., Shehata, A.I., Shahin, S.A., El-Ratel, I.T., Mzengereza, K., **Tembo, M.** and El Basuini, M.F. (2023), “Effects of dietary supplementation with organic acids mixture on growth, feed efficiency, hematobiochemical parameters, immunity, and intestinal microbiota of Gilthead seabream (*Sparus aurata*) juveniles”, *Aquaculture Reports*, Vol. 33;101846; <https://doi.org/10.1016/j.aqrep.2023.101846> .

Andrea, K., **Tembo, M.** and Manda, M. (2023), “Community Awareness of dental fluorosis as health risk associated with fluoride in improved groundwater sources in Mangochi district”, *Journal of Water and Health*. <https://doi.org/10.2166/wh.2023.210>

Andrea, K., Manda, M. and **Tembo, M.** (2023), “Tariff setting for the sustainability of communal water points in Mangochi District in Malawi”, *Journal of Water, Sanitation and Hygiene for Development*, Vol. 13 No. 9, pp. 625 - 634.

Mkandawire, J. C., **Tembo, M.**, Nhlema, M., Luhanga, J. and Holm, R. H. (2019), “Do rope and washer pumps provide safe water and satisfied users? A case study piloting new rural water supply technology in Rumphi District, Malawi”, *Water SA*, Vol. 45 No. 3, pp. 456 - 463.

Samikwa, E., Kapute, F., **Tembo, M.**, Phiri, T. and Holm, R. H. (2019), “Identification of critical control points using water quality as an indicator of hygiene for artisanal fisheries on Lake Malawi”, *Lakes & Reservoirs: Science, Policy and Management for Sustainable Use*, Vol. 24, pp. 3-12.

Holm, R. H., Kamangira, A., **Tembo, M.**, Kasulo, V., Kandaya, H., Gijs Van Enk, P. and Velzeboer, A. (2018), “Sanitation service delivery in smaller urban areas (Mzuzu and Karonga, Malawi)”, *Environment & Urbanization*, Vol. 30 No. 2, pp. 597-612.

Mzuzza, M.K., Weiguo, Z., Chapola, L.S., **Tembo, M.** and Kapute, F. (2017), “Determining sources of sediments at Nkula Dam in the Middle Shire River, Malawi, using mineral magnetic approach”, *Journal of African Earth Sciences*, Vol. 126, pp.23-32.

Holm, R., **Tembo, M.**, Njera, D., Kasulo, V., Malota, M., Chipeta, W., Singini, W. and Mchenga, J., (2016), “Adopters and non-adopters of low-cost household latrines: a study of corbelled pit latrines in 15 districts of Malawi”, *Sustainability*, Vol 8 No. 917, pp 1-8.

Holm, R., Mwangende, J., **Tembo, M.** and Singini, W. (2016), “Bacteriological quality of fresh produce and link to water and sanitation service access from informal markets in Mzuzu, Malawi”, *Environment, Development and Sustainability*, Vol. 18 No. 5, pp. 1-10.

Chidya, R.C.G., Holm, R.H., **Tembo, M.**, Cole, B., Workneh, P. and Kanyama, J. (2016), “Testing methods for new pit latrine designs in rural and peri-urban areas of Malawi where conventional testing is difficult to employ”, *Environmental Science: Water Research & Technology*, Vol. 2 No. 4, pp.726-732.

Murphy, C., **Tembo, M.**, Phiri, A., Yerokun, O. and Grummell, B. (2016), “Adapting to climate change in shifting landscapes of belief”, *Climatic Change*, Vol. 134 No. 1-2, pp.101-114.

Tembo, M. and Chikondi, B. (2015), “Forecasting climate change pattern for Bolero Agriculture Extension Planning Area in Malawi”, *Journal of Climatology & Weather Forecasting*, Vol. 3 No. 3, pp.1-5.

Cassells, G., Woodhouse, I.H., Patenaude, G. and **Tembo, M.** (2011), “Academic and research capacity development in Earth observation for environmental management”, *Environmental Research Letters*, Vol. 6 No. 4, pp. 1-8.

CONFERENCE PAPER

Cassells, G.F., Woodhouse, I.H., Mitchard, E.A. and **Tembo, M.D.** (2009), The use of ALOS PALSAR for supporting sustainable forest use in southern Africa: a case study in Malawi. In Geoscience and Remote Sensing Symposium, 2009 IEEE International, IGARSS 2009 (Vol. 2, pp. II-206). IEEE.

DEPARTMENT OF BUILT ENVIRONMENT

The Department of the Built Environment was previously called Land Management Department. The department runs three programmes: Urban and Regional Planning (previously called Physical Planning), Land Surveying and Estates Management. The department offers undergraduate, post-graduate and short courses. The Department also runs a seminar series that is held the last Friday of each month. The seminars allow academics from across the world to present research results or practical experiences that are relevant to the global south. The department has strong ties with the Ministry of Lands, Housing and Urban Development (MLHUD); Department of Environmental Affairs; the Department of Disaster Management Affairs (DoDMA) and Mzuzu City Council. With funding from the German Academic Exchange Programme (DAAD), the department is currently running a 4-year (2018-2021) staff-student exchange programme with Nuertingen-Geislingen University.

VISION

To be a premier provider of tertiary education, applied research and outreach in Estate Management, Land Surveying and Urban and Regional Planning that contributes to global sustainable development goals.

MISSION

To produce high quality professionals through education, training, research and outreach services to meet the technological, social and economic needs of Malawi and the global south.

RESEARCH ACTIVITIES

Academic staff in the Department of Built Environment undertake research in the following areas: urban and regional planning, estates management and land surveying. Profiles of academic staff within the department are listed below:

CAROLINE CHINGAMTOLO, MSc.RE; BSc

ORCID: <https://orcid.org/0009-0008-7766-8160>

RESEARCH INTERESTS

- Property Taxation
- Property Investment and Finance
- Property Management
- Land Administration

Title of Master's Dissertation:

Property tax administration in Malawi: Insights from Zomba City.

JOURNAL PUBLICATIONS

Chingamtolo, C., Manda, M. and Matotola, U. (2024), “Constraints on property taxation in Malawi: insights from Zomba City Council”, *Commonwealth Journal of Local Governance*, Vol. 29, pp. 79-93.

LUCKY KABANGA, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0001-7195-6323>

RESEARCH INTERESTS

- Land tenure and its administration
- Valuation of customary and native property rights
- Expropriation and compensation
- Valuation challenges in developing countries

Title of PhD Thesis:

Compensation assessment practices in expropriation of customary land rights in Malawi.

Title of Master's Dissertation

1. *Dissertation:*

Spatial Analysis of Potable Water Supply Using a GIS Approach in Ndirande Informal Settlement – Blantyre (Malawi) (University of Twente).

2. *Dissertation:*

Community-Led Housing for the Urban Poor: The Case of City of Blantyre (Malawi) (University of Pretoria, South Africa).

JOURNAL PUBLICATIONS

Kabanga, L. and Mooya, M. M. (2023), “Compensation assessment practices in expropriation of customary land: Evidence from Malawi”, *Land use policy*, Vol. 134, 106931. doi:<https://doi.org/10.1016/j.landusepol.2023.106931>.

Kabanga, L. and Mooya, M. M. (2022), “A conceptual framework for analysing compensation for expropriation of customary property rights”, *Property Management*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/PM-05-2022-0032>.

Kabanga, L. and Mooya, M. M. (2018), “Compensation Theories and Expropriation of Customary Property Rights”, *Journal of African Real Estate Research*, Vol. 3 No. 2, pp. 87-106.

Kabanga, L. and Mooya, M. M. (2017), “Assessing compensation for customary property rights in Malawi: the case of Mombera University project”, *African Journal of Rural Development*, Vol. 2 No. 4, pp. 483-496.

Tschirhart, N., **Kabanga, L.** and Nichols, S. (2018), “Equal inheritance is not always advantageous for women: A discussion on gender, customary law, and access to land for women in rural Malawi”, *Gendered Perspectives on International Development*, Working paper no. 310, 1-16.

Tschirhart, N., **Kabanga, L.** and Nichols, S. (2016), “The convergence of HIV/AIDS and customary tenure on women's access to land in rural Malawi”, *SAHARA-J: Journal of Social Aspects of HIV/AIDS*, Vol. 12, pp. 134-146.

CONFERENCE PAPERS

Kabanga, L. and Mooya, M. M. Compensation Theories and Expropriation of Customary Property Rights: A Critical Review. Paper presented at the Commonwealth Association of Surveying and Land Economy (CASLE) Conference held at Blue Pearl Hotel, Dar es Salaam, Tanzania in 2017.

Kabanga, L. and Mooya, M. M. Expropriation, Compensation and Impoverishment of Project Affected People: Case of Mombera Public University Project in Malawi. Paper presented at the Developing a sustainable professionalism in surveying & relevant education in the Commonwealth, held at Mulungushi International Conference Centre (MICC), Lusaka, Zambia from 29th November – 1st December, 2018.

JAPHET KHENDLO, MSc; BSc

ORCID: <https://orcid.org/0009-0006-3510-707X>

RESEARCH INTERESTS

- Geospatial Analysis and Climate Change
- Environmental Modelling
- Geospatial Database Management
- Geo-AI Applications
- Hydrological Modelling

Title of PhD Thesis (ongoing)

The application of Geospatial analysis in climate change and environmental modelling.

Title of Master's Dissertation:

Nexus of Human Factor and Road Geometrics on Traffic accidents on Mzuzu-Jenda m1 road Stretch.

CONFERENCE PAPERS

Khendlo. J., Beeharry, B. and Goodarry, R. Geospatial Land cover change analysis using CA-Markov Chain Model in Chikwawa District, Malawi. Paper presented at the First National Research Dissemination Conference held at Mzuzu University, Malawi, from 5th to 6th June, 2024.

Khendlo, J. Spatial-Temporal Analysis of Urban Heat Islands in Lilongwe, Zomba, Blantyre, and Mzuzu Cities: Examining the role of Urban Green Spaces. Paper presented at the National Housing Symposium, held at Bingu International Conference Centre, from 29th to 30th July, 2024.

Khendlo. J., Chunga. A. B. and Tembo, M. Nexus of Human Factor and Road Geometrics on Traffic accidents on Mzuzu-Jenda m1 road stretch. Paper presented at the Consortium for International Management, Policy and Development (CIMPAD) 12th Conference held at Malawi University of Science and Technology (MUST), 17th to 20th July, 2022.

LOUDON LUKA, MA; PgD; B. Ed

ORCID: <https://orcid.org/0000-0001-5390-5901>

RESEARCH INTERESTS

- Planning law
- Land reform in Africa
- Regional Planning
- Climate change and Cities
- Urban Governance

Title of Master's Dissertation

A critique of the urban villages policy for Melbourne, Australia.

CONFERENCE PAPERS

Bakera, A.T, **Luka, L.** and Malele, V. Contemporary teaching methods in civil engineering education. Paper presented at the Innovation, Science, Engineering and Education (ISEE) Africa Conference, Nairobi, Kenya, 1 February 2019.

Luka, L. Urbanisation challenges in Malawi. Paper presented at the Planning Africa Conference held in Cape Town on 17 October 2018.

Luka, L. The case for improved Governance as a Tool for Sustainable Urban Development in Malawi. Paper presented at the 46th ISOCARP Congress 2010, Nairobi, Kenya.

MTAFU MANDA, PhD; MSc; PgD (Housing); PgD (Pop); B. Soc. Sc.

RESEARCH INTERESTS

- Urban informality
- Urban and rural housing
- Land tenure reform
- Disaster risk management
- Environmental sustainability

Title of PhD Thesis:

Understanding the context of informality: urban planning under contradictory land tenure systems in Mzuzu, Malawi.

BOOK CHAPTER PUBLICATIONS

Pelling, M., Barcena, A., Leck, H., Adelekan, I., Dodman, D., Issaka, H., Johnson, C., **Manda, M.**, Mberu, B., Nwokocha, E., Osuteye, E. and Boubacar, S. (2021), “Uncertain pasts and risk sensitive futures in sub-Saharan urban transformation”, in Keith, M., Aruska, A., Santos, de S. and Parnell, S. (Eds.) *African Cities and Collaborative Futures*, Manchester: University of Manchester Press, pp. 53-72.

Allen, A., Koroma, B., **Manda, M.**, Osuteye, E. and Lambert, R. (2019), “Urban risk readdressed: Bridging resilience-seeking practices in African Cities”, in Burayid, M.A., Allen, A., Twigg, J. and Wamsler, C. (Eds.), *The Routledge Handbook of Urban Resilience*, London: Routledge, pp. 331-348.

Manda, M. (2014), “Bicycle taxis in Mzuzu City: a business venture misunderstood”, in Duminy, J. et al. (Eds.), *Planning and the case study method in Africa*, Basingstoke: Palgrave MacMillan, pp. 102-128.

JOURNAL PUBLICATIONS

Chingamtolo, C., **Manda, M.** and Matotola, U. (2024), “Constraints on property taxation in Malawi: insights from Zomba City Council”, *Commonwealth Journal of Local Governance*, Vol. 29, pp. 79-93.

Mwalwimba, I.K., **Manda, M.** and Ngongondo, C. (2024), “Measuring vulnerability to assess household resilience to flood risks in Karonga district, Malawi”, *Natural Hazards*. <https://doi.org/10.1007/s11069-024-06416-4>

Andrea, K.; Tembo, M. and **Manda, M.** (2023), “Community Awareness of dental fluorosis as health risk associated with fluoride in improved groundwater sources in Mangochi district”, *Journal of Water and Health*. <https://doi.org/10.2166/wh.2023.210>

Bwanali, W. and **Manda, M.** (2023), "The correlation between social resilience and flooding in low-income communities: a case of Mzuzu City, Malawi", *International Journal of Disaster Resilience in the Built Environment*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/IJDRBE-09-2022-0093>

Andrea, K; **Manda, M** and Tembo, M. (2023), “Tariff setting for the sustainability of communal water points in Mangochi District in Malawi”, *Journal of Water, Sanitation and Hygiene for Development*, Vol. 13 No. 9, pp. 625 - 634.

Mwalwimba, I.K., **Manda, M.** and Ngongondo, C. (2024), “Flood vulnerability assessment in rural and urban informal settlements: case study of Karonga District and Lilongwe City in Malawi”, *Natural Hazards*. <https://doi.org/10.1007/s11069-024-06601-5>

Munthali, C. **Manda, M.** and Bwanali, W. (2021), “Assessment of Socio-Economic Vulnerability to Flooding in Mweniyumba Neighbourhood, Karonga Township”, *Environment Pollution and Climate Change*, Vol 5 No 3, pp.1-13.

Gondwe, J. and **Manda, M.** (2021), "Localizing children's play spaces through the child friendly city lens: Reframing tools for children's inclusivity in Mzuzu City, Malawi", *Journal of Inclusive Cities and the Built Environment*, Vol. 1 No.1, pp.81-89.

Dodman, D., Adelekan, I., Brown, D., Hayley, L., **Manda, M.**, Mberu, B., Pelling, M., Rusca, M., Satterthwaite, D. and Taylor, F. (2018), “A Spectrum of Methods for a Spectrum of Risk: Generating Evidence to Understand and Reduce Urban Risk in Sub-Saharan Africa”, *Area*, Vol. 51, pp. 586 - 594.

Hayley, L., Pelling, M., Adelekan, I., Dodman, D., Issaka, H., Johnson, C., **Manda, M.**, Mberu, B., Nwokocha, E., Osuteye, E. and Boubacar, S. (2018), “Towards Risk-Sensitive and Transformative Urban Development in Sub Saharan Africa”, *Sustainability*, Vol. 10 No. 2645, pp.1-21.

Wanda, E., **Manda, M.**, Kushe, J., Msiska, O., Mphande, C., Kamlomo, D. and Kaunda, J (2017), “Using Citizen Science Approach to monitor water, sanitation and hygiene Related Risks in Karonga Town, Malawi”, *African Journal of Environmental Science and Technology*, Vol.11 No 6, pp. 304-323.

Gondwe, J., **Manda, M.** and Kamlomo, D. (2017), “Discriminatory land use planning and flood risk Management in Karonga Town, Malawi”, *International Journal of Human Sciences*, Vol 14 No. 4 pp 1-13.

Manda, M. and Wanda, E. (2017), “Understanding the nature and scale of risks in Karonga, Malawi”, *Environment and Urbanization*, Vol. 29 No. 1, pp.15-32.

Manda, M. and Matidza, I. (2016), “Tracer study of Mzuzu University Land Management Students, 2010-2015”, *Education and Society in Southern Africa*, Vol. 3 No 3, pp.45-67.

Blair, N. and **Manda, M.** (2016), “A partnership-based model for embedding employability in urban planning education”, *Urban, Planning and Transport Research*, Vol. 4 No. 1, pp.46-63.

Adelekan, I., Johnson, C., **Manda, M.**, Matyas, D., Mberu, B., Parnell, S., Pelling, M., Satterthwaite, D. and Vivekananda, J. (2015), “Disaster risk and its reduction: an agenda for urban Africa”, *International Development Planning Review*, Vol. 37 No. 1, pp. 33-43.

Manda, M. (2014), “Where there is no local government: addressing disaster risk reduction in a small town: case of Karonga in Malawi”, *Environment & Urbanization*, Vol. 26 No. 2, pp. 1-14.

Manda, M (2013), “Reflections on planning education in Malawi”, *Education and Society in Southern Africa*, Vol. 1 No.1, pp 58-74.

ISAAC MATIDZA, MBA; BSc.

ORCHID ID: <https://orcid.org/0000-0001-7928-391X>

RESEARCH INTERESTS

- Estate Agency and Marketing
- Property Economics
- Real Estate Valuations
- Property Taxation
- Consumer Behaviour

Title of Master's Dissertation

The impact factors on consumer purchase decision in Estate Agency Industry in Malawi.

JOURNAL PUBLICATIONS

Matidza, I., Ping, T. and Nyasulu, C. (2020), “Use of digital marketing in estate agency industry in Malawi”, *E-Learning and Digital Media*, Vol. 17 No. 3, pp. 253-270.

Manda, M. and **Matidza, I.** (2017), “Tracer study of Mzuzu University Land Management Students, 2010-2015”, *Education and Society in Southern Africa*, Vol. 3 No 3, pp.45-67.

DEPARTMENT OF FISHERIES AND AQUATIC SCIENCES

The Department of Fisheries and Aquatic Science started its training programmes in 2007 after realizing the lack of trained personnel in the management of inland fisheries resources in Malawi and Africa. Since then, a number of students from Malawi and other African countries have been trained and graduated with Bachelor's, Master's and Doctorate degrees in fisheries and aquatic sciences, and are making significant impacts in the socio-economic development of their countries.

MISSION

To strengthen the fisheries sector by training specialists in capture fisheries in lakes, rivers and reservoirs by emphasizing hands-on-experience so that its graduands are not only relying on employment but can also set up their own fisheries businesses, with a minor focus on aquaculture.

RESEARCH ACTIVITIES

Members of staff in the Fisheries Department are involved in carrying out research in areas that include fisheries management, bio-economics, population dynamics and stock assessment, fish processing and quality management, molecular biology, genetics and limnology. Profiles and research interests of staff are listed below.

ELIAS CHIRWA, PhD; MSc; B (Ed)

ORCID: orcid.org/0000-0002-2736-5822

RESEARCH INTERESTS

- Fisheries management
- Limnology
- Freshwater biology

Title of PhD Thesis:

Comparative ecological impacts of common carp (Cyprinus carpio Linnaeus, 1758) and the African sharptooth catfish (Clarias gariepinus Burchell, 1822): policy implications for aquaculture development in Malawi.

Title of Master's Dissertation:

Biodiversity in the coastal zone: morphological characterization of Tilapia guineensis (Bleeker, 1862) populations from Africa (Teleostei: Cichlidae).

JOURNAL PUBLICATIONS

Chirwa, E., Knapp, W.C., Wilson, D., Nkhoma, B., Mulwafu, W., Morse, T. and Gough, M. (2023), "Attaining Fisheries Sustainability: Lessons from a Traditional Fisheries Management Scheme at Mbenji Island, Lake Malawi", *African Journal of Rural Development*, Vol. 8 No. 3, pp. 30 - 42.

Chirwa, E.R., A. Mtethiwa, W.L. Jere and D. Kassam, (2022), "African catfish as biocontrol agent of common carp's adverse effects on water quality", *Biotechnology*, Vol. 21, pp. 127-133.

Stauffer, J.R., **Chirwa, E.R.**, Jere, W., Konings, A.F., Tweddle, D. and Weyl, O. (2022), "Nile Tilapia, *Oreochromis niloticus* (Teleostei: Cichlidae): a threat to native fishes of Lake Malawi?" *Biol Invasions*. <https://doi.org/10.1007/s10530-022-02756-z>

Kadeka, E.C., Masese, F.O., Lusega, D.M., Sitati, A., Kondowe, B.N. and **Chirwa, E.R.** (2021), "No Difference in Instream Decomposition Among Upland Agricultural and Forested Streams in Kenya", *Front. Environ. Sci.* 9:794525. doi: 10.3389/fenvs.2021.794525

Kadeka, E., Sitati, A., Kondowe, B., Lusega, D., **Chirwa, E.** and Masese, F. (2021), "Effects of Deployment Period on Leaf Litter Decomposition and Colonization by Invertebrates", *African Journal of Education, Science and Technology*, Vol. 6 No. 3, pp. 16-27.

Chirwa, E.R., Mtethiwa, A., Jere, W.L. and Kassam, D. (2019), “Effects of Common Carp (*Cyprinus carpio* Linnaeus, 1758) and the African catfish (*Clarias gariepinus* Burchell, 1822) on Growth and Reproductive performance of native tilapia *Oreochromis shiranus* (Boulenger, 1896)”, *Aquaculture Research*. DOI:10.1111/are.14414

Chikorela, G., **Chirwa, E.R.** and Mzengereza, K. (2019), “Optimal Stocking Density of *Tilapia rendalli* (Boulenger, 1896) for Increased Growth in a Periphyton Based Aquaculture System”, *Journal of Fisheries and Aquatic Science*, Vol. 14, pp. 33-38.

Chirwa, E.R., Kassam, D., Jere, W.L. and Mtethiwa, A. (2019), “Effects of common carp and African catfish on plankton, periphyton, benthic macroinvertebrates in pond ecosystem”, *Aquatic Biology*, Vol. 28, pp. 91- 100.

Chirwa, E.R. and Chilima, L. (2018), “Benthic macroinvertebrate assemblage as a tool for the detection of degraded landscapes: lesson from Malawi”, *Nature & Faune journal*, Vol. 32 No. 1, pp. 54-58.

Chirwa, E.R. and Chilima, L. (2018), “Creating a forest landscape restoration movement in Africa: A call to heal planet earth”, *Nature & Faune*, Vol. 32, No. 1, pp. 54-58.

Chirwa, E. R., Kassam, D., Jere, W. L. and Mtethiwa, A. (2017), “A review of the farming of common carp (*Cyprinus carpio* L.) in Malawi: Policy research directions for aquaculture development in Malawi”, *International Journal of Fisheries and Aquaculture*, Vol. 9 No. 5, pp. 42-51.

Sinyangwe, B.G., **Chirwa, E.R.**, Mzengereza, K., Kapute, F., Singini W, et al. (2017), “Effect of Varying Dietary Protein Level and Stocking density on Growth Performance, Survival and Feed Utilization of African Catfish (*Clarias gariepinus* - Burchell, 1822)”, *Insights Aquac Cult Biotechnol*, Vol.1 No.2, p.9.

Chirwa, E.R. and Chilima, L. (2017), “Use of Benthic Macroinvertebrate Indices as Bioindicators of Ecosystem Health for the Detection of Degraded Landscapes in Malawi”, *International Journal of Agriculture Forestry and Fisheries*, Vol. 5 No. 6, pp. 128–134.

Sinyangwe, B.G., **Chirwa, E.R.**, Mzengereza, K., Kapute, F., Singini, W., Chirwa, B.B., Kondowe, B.K., Zidana, H. and Jere, B. (2017), “Effect of Varying Dietary Protein Level and Stocking density on Growth Performance, Survival and Feed Utilization of African Catfish (*Clarias gariepinus* - Burchell, 1822)”, *Insights in Aquaculture and Biotechnology*, Vol. 2 No. 9, pp. 1-6.

Banda, C., Kapute, F., **Chirwa, E.**, Singini, W., Kondowe, B., Mzengereza, K. and Jere, B. (2017), “Proximate composition of freshly caught tilapia from Chia Lagoon and Lake Malawi”, *Malawi Journal of Agriculture, Natural Resources and Development Studies*, Vol. 3 No. 1, pp. 8-11.

CONFERENCE PAPER

Chirwa, E.R., Kassam, D., Jere, W. and Mtethiwa, A. Ecological impacts of common carp (*Cyprinus carpio* Linnaeus, 1758) and the African sharptooth catfish (*Clarias gariepinus* Burchell, 1822): a comparative review. Paper presented at the Fifth African Higher Education Week and RUFORUM Biennial Conference held at the Century City Conference Centre, Cape Town, Republic of South Africa, 17 to 21 October, 2016.

Limbikani Chilima, **Elias Rabson Chirwa**. Use of Benthic Macroinvertebrate Indices as Bioindicators of Ecosystem Health for the Detection of Degraded Landscapes in Malawi. Paper presented at the Sixth International Conference of the Pan African Fish and Fisheries Association (PAFFA6) held at Sun N Sand Holiday Resort, Mangochi, Malawi, 24 to 28 September, 2018.

E.R. Chirwa, D. Kassam, A. Mtethiwa, W.L. Jere. Effects of *Cyprinus carpio* (Linnaeus, 1758) (Actinopterygii: Cyprinidae) and *Clarias gariepinus* (Burchell, 1822) (Actinopterygii: Clariidae) on water quality in ponds: relevance to aquaculture enhancement in Africa. Paper presented at the Sixth African Higher Education Week and RUFORUM Biennial Conference held at the Kenyatta International Conventional Centre, Nairobi, Kenya, 22 to 26 October, 2018.

E.R. Chirwa, D. Kassam, A. Mtethiwa, W.L. Jere. Effects of *Cyprinus carpio* (Linnaeus, 1758) (Actinopterygii: Cyprinidae) and *Clarias gariepinus* (Burchell, 1822) (Actinopterygii: Clariidae) on water quality in ponds: relevance to aquaculture enhancement in Africa. Poster presented at the Sixth African Higher Education Week and RUFORUM Biennial Conference held at the Kenyatta International Conventional Centre, Nairobi, Kenya, 22 to 26 October, 2018.

Chirwa, E.R., Jere, W., Mtethiwa, A. & Sikawa, D. Ecological impacts of common carp (*Cyprinus carpio* Linnaeus, 1758) and the African sharptooth catfish (*Clarias gariepinus* Burchell, 1822): a comparative review. Poster presented at the Fifth African Higher Education Week and RUFORUM Biennial Conference held at the Century City Conference Centre, Cape Town, Republic of South Africa, 17 to 21 October, 2016.

ROBERT ISRAEL JERE, MSc; BSc; Dip. (Agric.)

RESEARCH INTERESTS

- Aquaculture economics
- Fisheries extension and development

JOURNAL PUBLICATIONS

Phiri, F., Singini, W., Kapute, F. and **Jere, B.** (2018), “Effect of linear and non-linear estimation of fish mortality on feed conversion rate and economic profitability of *Oreochromis Shiranus* in cages”, *Annals of Reviews and Research*, Vol. 3 No. 3, pp. 1-6.

Banda, C., Kapute, F., Chirwa, E., Singini, W., Kondowe, B., Mzengereza, K. and **Jere, B.** (2017), “Proximate composition of freshly caught tilapia from Chia Lagoon and Lake Malawi”, *Malawi Journal of Agriculture, Natural Resources and Development Studies*, Vol. 3 No. 1, pp. 8-11.

Sanudi, F., **Jere, B.**, Mzengereza, K. and Chirwa, B.B. (2015), “Effect of stocking density and feed on growth of improved (F5) mono-sex *oreochromis shiranus* reared in tanks”, *Journal of Fisheries and Livestock Production*, Vol. 3 No. 4, pp. 1-5.

FANUEL KAPUTE, PhD; MSc; BSc; Dip.

ORCID: <https://orcid.org/0000-0002-6885-442X>

RESEARCH INTERESTS

- Fish processing
- Quality management

Title of PhD Thesis:

*Quality and risk assessment of whole fresh Lake Malawi Chambo (*Oreochromis nyalapia* species).*

Title of Master's Dissertation:

*Comparative reproductive biology, age and growth of *Oreochromis* (Nyasaland) *Karongae* (Trewavas) from five ecological zones of Lake Malawi.*

JOURNAL PUBLICATIONS

Zaabwe, T., Singini, W., Kang'ombe, J., **Kapute, F.**, Mzengereza, K., Ndong, N. and Mbamba, D. (2024), "An Evaluation of Iso-Nitrogenous Floating and Sinking Diets on Growth, Feed Utilization and Apparent Digestibility of the Redbreast Tilapia (*Coptodon rendalli* Boulenger, 1897)", *Egyptian Journal of Aquatic Biology & Fisheries Zoology*, Vol. 28 No. 5, pp. 95 – 112.

Tenthani, M.W., **Kapute, F.** and Msiska, U. (2023), "HIV&AIDS-Related Knowledge Among University Students: A Review", *International Journal of Membrane Science and Technology*, Vol. 10 No. 2, pp. 2238 - 2245.

Mubaya, C.P., Ndebele-Murisa, M.R., **Kapute, F.**, Samundengo, A. and Yossa, R. (2023), "Development and Scaling of Sustainable Feeds for Resilient Aquatic Food Systems in Sub-Saharan Africa: Climate change and environmental analysis", *World Fish Internal Report*. <https://hdl.handle.net/20.500.12348/5709>.

Bwanamudogo, I., **Kapute, F.**, Lina. A., Mbalassa, M., Zaabwe, T. and Singini, W. (2022), "Quality of fresh frozen tilapia from selected supermarkets in Malawi", *Journal of Food Agriculture and Nutrition Development*, Vol. 22 No. 4, pp. 20085-20101.

Kankhuni, Z., Ngwira, C., Sepula, M.B. and **Kapute, F.** (2022), "Modelling the relationship between higher education service quality, student engagement, attachment, satisfaction, and loyalty: a case of a Malawian public university", *Journal of Teaching in Travel & Tourism*. DOI: 10.1080/15313220.2022.2128983.

Chavura E., **Kapute F.** and Mbakaya B.C. (2021), “Detection of fecal coliforms in water used in formal and informal food outlets in Kasungu District, Malawi”, *European Scientific Journal*, Vol. 17 No. 3, 300. <https://doi.org/10.19044/esj.2021.v17n3p300>

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BENJAMIN KONDOWE, PhD; MSc; BSc (Hons)

ORCID: <https://orcid.org/0000-0002-7763-2642>

RESEARCH INTERESTS

- Ecosystem functioning
- Watershed management and conservation
- Fisheries management

Title of PhD Thesis:

Dynamics in trophic status, water and nutrient mass balance and communities of Lake Kanyaboli, Kenya.

Title of Master's Dissertation:

*Study of sexual dimorphism in mantis shrimp *Oratosquilla nepa* (Latreilla, 1828).*

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KUMBUKANI MZENGEREZA, PhD; MSc; BSc.

ORCID: <https://orcid.org/0000-0001-6129->

RESEARCH INTERESTS

- Aquaculture Nutrition
- Optimising feeds for Integrated Multi-Trophic Aquaculture systems
- Fin fish (catfish and Tilapia) and Crustaceans (including Penaeids) feeds
- Interdisciplinary research combining nutrition with genomics, health, environment and welfare
- Interaction of aquaculture feeds with the environment

Title of PhD Thesis:

Title of PhD: Studies on utilization of ω 3 rich oilseed Camelina (Camelina Sativa) in diets for red sea bream (Pagrus major).

Title of Master's Dissertation:

Nutritional evaluation of plant ingredients for diets of Tilapia rendalli in Nkhatabay, Malawi.

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Basuini, M.F.E., Shaban, M.M., El-Hais, A.M., Soliman, A.A., Abu-Elala, N.M., Teiba, I.I., Alhoshy, M., Sallam, G.R., Shadrack, R.S., **Mzengereza, K.** and Shehata, A.I. (2024), "Exploring the Dual Benefits of Fermented and Non-Fermented Garlic Powder on Growth, Antioxidative Capacity, Immune Responses, and Histology in Gray Mullet (*Liza ramada*)", *Fishes*, Vol. 9 NO. 10, p.401. <https://doi.org/10.3390/fishes9100401>

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Mzengereza, K. and Kang'ombe, J. (2016), “Effect of dietary salt (Sodium Chloride) supplementation on growth, survival and feed utilization of *Oreochromis shiranus* (Trewavas, 1941)”, *Journal of Aquaculture Research and Development*, Vol. 7 No. 1, pp. 1-5.

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WILSON SAWASAWA, MSc; BSc.

ORCID: <https://orcid.org/0000-0003-4997-7237>

RESEARCH INTERESTS

- Population Genomics of terrestrial and aquatic organisms
- Evolutionary Genomics
- Fisheries and Aquaculture Genomics
- Environmental DNA approaches in Fisheries conservation
- Bioinformatics and Computation Biology of terrestrial and aquatic organisms

Title of PhD Thesis (ongoing):

The Genomics Trajectory of Lake Malawi Cichlids.

Title of Master's Dissertation:

Genetic Diversity of Endangered Channa lucius (Cuvier, 1831) in the Mekong Delta Inferred from ISSR markers.

JOURNAL PUBLICATIONS

Sawasawa, W., van Huysduynen, A.H., Gresham, S., Sungani, H., Rusuwa, B., De Boeck, G., Turner, G.F., Ngochera, M. and Svardal, H. (2024), "Population genomic analysis reveals cryptic population structure in the commercially important Lake Malawi cichlid *Copadichromis mloto*, preprint, <https://doi.org/10.1101/2024.04.26.591058>

Blumer, L.M., Burskaia, V., Artiushin, I., Saha, J., Garcia, J.C., Elkin, J., Fischer, B., Zhou, C., Gresham, S., Malinsky, M., Linderroth, T., **Sawasawa, W.**, Bista, I., Hickey, A., Kucka, M., Louzada, S., Zatha, R., Yang, F., Rusuwa, B., Santos, M.E., Chan, Y.F., Joyce, F.D.A., Böhne, A., Miska, E.A., Ngochera, M., Turner, G.F., Durbin, R. and Svardal, H. (2024), "Introgression dynamics of sex-linked chromosomal inversions shape the Malawi cichlid adaptive radiation", <https://doi.org/10.1101/2024.07.28.605452>

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Sawasawa, W. and Duong, T.Y. Genetic Diversity of Endangered Snakehead *Channa lucius* (Cuvier 1831) in the Mekong Delta Inferred from ISSR Markers. Paper presented at the 2019, ASEAN-FEN 9th International Climate Change Fisheries Symposium, 18 – 21 November 2019, Seri Pacific Hotel, Kuala Lumpur, Malaysia.

Sawasawa, W., Kapute, F. and Mzengereza, K. Role of women in fish processing at Msaka Beach in Mangochi District, southern Malawi. Paper presented at the 2017 National Fisheries and Aquaculture Forum, *Advancing Resilience in Aquatic Ecosystems and Communities*, 22nd – 24th November 2017, Sun and Sand Holiday Resort, Mangochi, Malawi.

WALES SINGINI, PhD; MSc; BSc.

RESEARCH INTERESTS

- Fisheries management (Bioeconomic and Stock Assessment)
- Research methods
- Biostatistics,
- Project management

Title of PhD Thesis:

Bioeconomic analysis of Chambo and Kambuzi fish stocks of Lake Malombe.

Title of Master's Dissertation:

Age, growth and reproductive biology of lethrinops gossei in the South-East Arm of Lake Malawi.

BOOK CHAPTERS

Jere, W., **Singini, W.**, Mtethiwa, A. and Gumulira, A. (2015), "Effects of rainfall on catches of major food fishes of Mangochi fishery in Malawi", in Edris (Ed.), *Community sustainability development in Malawi, concepts, theories and practice*, Lilongwe: Lilongwe University of Science and Technology, pp. 255-267.

Singini, W., Kaunda, E., Chirwa, B., Gondwe, E., and Banda, L. (2014), "Assessment of social, economic and environmental performance of Tilapia in Malawi", in Soto, D. and Cai, J. (Eds.), *Building an ecosystem approach to aquaculture: Aquaculture Services (FIRA) of FAO Fisheries and Aquaculture Department, Proc No. 22*, Rome, Italy: Food and Agriculture Organization.

JOURNAL PUBLICATIONS

Sallam, G.R., Aly, H.A., Lotfy, A.M., Abdel-Rahim, M.M., Fayed, W.M., Teiba, I.I., Mzengereza, K., Tembo, M., **Singini, W.**, Habib, Y.J. and Shehata, A.I. (2024), "Natural zeolite for heavy metal, ammonia removal, and physiological responses in European sea bass (*Dicentrarchus labrax*) juveniles tanks with different densities", PLoS ONE, Vol. 19 No. 4, e0297844. <https://doi.org/10.1371/journal.pone.0297844>.

El Basuini, M.F., Abdel Fattah, A.M., El-Hais, A.M., Soliman, A.A., Amer, A.A., Gewaily, M., Zaki, M.A.A., Zaineldin, A.I., Dossou, S., Teiba, I.I., Mzengereza, K., Tembo, M., **Singini, W.** and Shehata, A.I. (2024), "Dietary co-enzyme Q10 boosted the growth performance, antioxidative capacity, immune

responses, and intestinal and hepatic histomorphology of grey mullet (*Liza ramada*)”, *Aquaculture Reports*, Vol. 36 102147.

Zaabwe, T., **Singini, W.**, Kang’ombe, J., Kapute, K., Mzengereza, K., Ndong, N. and David, M. (2024), “An Evaluation of Iso-Nitrogenous Floating and Sinking Diets on Growth, Feed Utilization and Apparent Digestibility of the Redbreast Tilapia (*Coptodon rendalli* Boulenger, 1897)”, *Egyptian Journal of Aquatic Biology & Fisheries*, Vol. 28 No. 5, 95 – 112.

Chawinga, W., **Singini, W.**, Phuka, J., Chimbatata, N., Mitambo, C., Sambani, C. and Kambalame, D. (2023), “Combating coronavirus disease (COVID-19) in rural areas of Malawi: Factors affecting the fight”, *African Journal of Primary Health Care & Family Medicine*, Vol. 15 No. 1, p.3464.

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Singini, W., Kaunda, E., Kasulo, V. and Jere, W. (2013), “Modelling and forecasting *Oreochromis species* (Chambo) Production in Malaŵi – A stochastic model approach”, *Recent Research in Science and Technology*, Vol. 5 No. 3, pp 1-6.

Singini, W., Msilimba, G. and Gwayi, S. (2013), “Logit analysis of factors influencing adoption of community led total sanitation in Malawi (A case of GSF target districts)”, *Journal of Applied Science in Environmental Sanitation*, Vol. 8 No. 4, pp. 293-301.

Singini, W., Kaunda, E., Kasulo, V., Jere, W. and Msiska, O. (2012), “Bioeconomic approach to rebuilding small Haplochromine Cichlids of Lake Malombe, Malawi”, *Journal of Scientific and Technology Research*, Vol. 1 No. 11, pp 10 – 15.

Singini, W., Kaunda, E., Kasulo, V. and Jere, W. (2012), “Modelling and forecasting small *Haplochromine species* (Kambuzi) production in Malawi – a stochastic model approach”, *Journal of Scientific and Technology Research*, Vol. 1 No. 11, pp. 69 – 73.

CONFERENCE PAPERS

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and RUFORUM biennial conference held at the Kenya International Conference Centre, Nairobi from 22- 26 October, 2018.

Amosi,N., Kasulo,V., **Singini**, W., Luhanga, L. and Munthali, C. Relationships of baobab products traders and their value shares in Malawi. Paper presented at the sixth African higher education week and RUFORUM biennial conference held at the Kenya International Conference Centre, Nairobi from 22 - 26 October, 2018.

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Banda, J., Chigwechokha, P., **Singini**, W., Kamanula, J., Msiska,O.V. and Simbeye, J. The nutrition, microbial and sensory quality of solar tent dried and open sun dried *Diplotaxodon* species (ndunduma) Pisces; *Cichlidae*. Paper presented at the AU Food Safety Conference Nairobi Kenya from 20-21 April, 2018.

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Mzengereza K., Msiska, O.V., Kapute, F., Kang'ombe, J., **Singini W.** and Kamangira, A. Nutritional value of locally available plants with potential for diets of *Tilapia rendalli* in pond aquaculture in Nkhata Bay, Malawi. Paper presented at The Great Lakes of the World (GLOW 8) Conference held at the Sun n Sand Hotel, Mangochi, Malawi, 24 to 27 March, 2015.

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Mzengereza, K., **Singini, W.**, Msiska, O.V., Kang'ombe, J. and Kapute, F. Proximate composition of potential plant feedstuffs for production of *Tilapia rendalli* in northern Malawi. Paper presented at the Fourth RUFORUM Biennial Conference held at the Eduardo Mondlane University, Maputo, Mozambique, 21 to 25 July, 2014.

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Singini, W., Kaunda, E., Kasulo, V. and Jere, W. Bioeconomic approach to rebuilding *Oreochromis* species of Lake Malombe, Malaŵi. Paper presented at the African Crop Science Society Conference Organised by Makerere University, College of Agricultural and Environmental Sciences, School of Agricultural Sciences, Entebbe, Uganda, 14 to 17 October, 2013.

DEPARTMENT OF FORESTRY AND ENVIRONMENTAL MANAGEMENT

The Department of Forestry and Environmental Management was established in 2001, and is the oldest in the Faculty of Environmental Sciences. It offers various degree programmes at undergraduate and postgraduate levels.

MISSION

The mission of the Department of Forestry and Environmental Management is to ensure the application of sound technical and scientific knowledge to forestry development in Malawi through research, teaching and dissemination of knowledge and provision of expert services.

RESEARCH ACTIVITIES

Research activities of academic staff within the Department of Forestry and Environmental Management falls within the area of forest science, social forestry, forest engineering, forest and environmental Management.

FRANCIS KAMANGADAZI, MSc; BSc.

ORCID: <https://orcid.org/0000-0002-2235-3953>

RESEARCH INTERESTS

- Silviculture
- Forest Ecology and Biodiversity
- Carbon estimates, finance and marketing
- Climate Change

TITLE OF MASTER'S DISSERTATION

Analysis of Tree Community Composition, Diversity and Natural Regeneration in Miombo Woodlands of Malawi.

JOURNAL PUBLICATIONS

Skole, D.L., Samek, J.H., Mbow, C., Chirwa, M., Ndalowa, D., Tumeo, T., Kachamba, D., Kamoto, J., Chioza, A. and **Kamangadazi, F.** (2021), “Direct measurement of forest degradation rates in Malawi: toward a national forest monitoring system to support REDD+”, *Forests*, Vol. 12 No. 4, p.426. <https://doi.org/10.3390/f12040426>.

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VICTOR KASULO, PhD; MA; BSoc

ORCID: 0000-0003-4534-2162

RESEARCH INTERESTS

- Environmental and ecosystems management
- Bioeconomic management of natural resources
- Resource valuation and accounting
- Biodiversity conservation and management
- Mitigation and adaptation to climate change

Title of PhD Thesis:

Bio-economic management of aquatic ecosystems for the conservation and sustainable utilisation of biodiversity.

Title of Master's Dissertation:

Determinants of manufactured exports in Malawi.

BOOK CHAPTERS

Darr, D., Dumenu, W.K., Gebauer, J., **Kasulo, V.**, Kleinke, M., Meinhold, K., Munthali, C. and Wichern, F. (2023), “The potential of non-timber forest products to contribute to the bioeconomy transition: the example of baobab (*Adansonia digitata* L.) in Malawi”, in Smith-Hall, C. and Chamberlain, J. (Eds.) *The bioeconomy and non-timber forest products*, Philadelphia, USA: Routledge.

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Singini, W., Kaunda, E., **Kasulo, V.** and Jere, W. Bioeconomic approach to rebuilding Oreochromis species of Lake Malombe, Malawi. Paper presented at the African Crop Science Society Conference Organised by Makerere University, College of Agricultural and Environmental Sciences, School of Agricultural Sciences, Entebbe, Uganda, 14 to 17 October, 2013.

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IVY SICHINGA LIGOWE, PhD; MSc; BSc; Dip.

ORCID: <https://orcid.org/0000-0002-3869-3485>

RESEARCH INTERESTS

- Integrated soil fertility management
- Environment and biodiversity conservation
- Climate change adaptation and mitigation
- Sustainable land and soil management
- Geo-Nutrition and Health

Title of PhD Thesis:

The biogeochemical dynamics of Selenium and Iodine in contrasting soils of Malawi.

Title of Master's Dissertation:

Effects of Conservation Agriculture on soil quality and crop production.

JOURNAL PUBLICATIONS

Manzeke-Kangara M. G., **Ligowe I. S.**, Kaninga B., Nalivata P., Kabambe V., Mbewe E., Chishala B. H., Sakala G. M., Mapfumo P., Mtambanengwe F., Tendayi T., Murwira A., Chilimba A. D. C., Phiri F. P., Ander E. L., Bailey E. H., Lark R. M., Millar K., Watts M. J., Young S. D. and Broadley M. R. (2024). "Doctoral training to support sustainable soil geochemistry research in Africa", *Interface Focus.*, Vol. 14, 20230058. <http://doi.org/10.1098/rsfs.2023.0058>.

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Gashu, D., Nalivata, P.C., Amede, T., Ander, E.L., Bailey, E.H., Botoman, L., Chagumaira, C., Gameda, S., Hailu, K., Joy, E.J.M., Kalimbira, A.A., Kumssa, D.B., Lark, R.M., **Ligowe, I.S.**, McGrath, S.P., Milne, A.E., Mossa, A.W., Munthali, M., Towett, E., Walsh, M.G., Wilson, L, Young, S.D. and Broadley, M.R. (2021). “The nutritional quality of cereals varies geospatially in Ethiopia and Malawi”, *Nature*, Vol. 594, 71–76 (2021). <https://doi.org/10.1038/s41586-021-03559-3>.

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Ligowe, I.S., Young, S.D., Ander, E.L., Kabambe, V., Chilimba, A.D., Bailey, E.H., Lark, R.M. and Nalivata, P.C. (2020), “Agronomic biofortification of leafy vegetables, grown in an Oxisol, Alfisol and Vertisol with isotopically labelled selenium (⁷⁷Se)”, *Geoderma*, Vol. 361, 114106. DOI: 10.1016/j.geoderma.2019.114106.

Ligowe, I.S., Bailey, E.H., Young, S.D., Ander, E.L., Kabambe, V., Chilimba, A.D., Lark, R.M. and Nalivata, P.C. (2021), “Agronomic iodine biofortification of leafy vegetables grown in Vertisols, Oxisols and Alfisols”, *Environmental geochemistry and health*, Vol. 43, pp. 361-374.

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CONFERENCE PAPERS

Ligowe, I.S., Minasny, B. and Widyatmanti, W. Boosting Global Soil Science Collaboration: Fostering Equity, Decolonization, and Capacity Strengthening. Session Co-Chaired at the Centennial Celebration and Congress of the International Union of Soil Sciences (IUSS) held at Florence, Italy, 19 to 21 May, 2024.

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Ligowe, I.S., Young, S.D., Ander, E.L., Kabambe, V., Chilimba, A.D., Bailey, E.H., Lark, R.M. and Nalivata, P.C. Bioavailability of selenium (selenate) to maize and leafy vegetable crops. Paper presented at the 34th International Conference for the Society for Environmental Geochemistry and Health (SEGH) on Geochemistry for Sustainable Agriculture held in Livingstone, Zambia, 2 to 7 July, 2018.

Ligowe, I.S., Young, S.D., Ander, E.L., Kabambe, V., Chilimba, A.D., Bailey, E.H., Lark, R.M. and Nalivata, P.C. Effect of conservation agriculture on solubility and fractionation of soil selenium. Paper presented at the 11th International Symposium on Selenium in Biology and Medicine and the 5th International Conference on Selenium in the Environment and Human Health held at Stockholm, Sweden, 13 to 17 August, 2017.

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Mwale, C.D, Kabambe, V, Sakala, W.D., Giller, Ken, Kauwa, A.A., **Ligowe I.** and Kamalongo, D, (2011), “Model Validation Through Long-Term Promising Sustainable Maize/Pigeon Pea Residue Management in Malawi”, in: Bationo, A., Waswa, B., Okeyo, J., Maina, F., Kihara, J. (Eds) *Innovations*

as Key to the Green Revolution in Africa, Springer, Dordrecht. https://doi.org/10.1007/978-90-481-2543-2_32.

KENNEDY MASAMBA, MSc; BSc

ORCID: <https://orcid.org/0000-0002-3653-7323>

RESEARCH INTERESTS

- Plant breeding and genetics
- Forest ecology and biodiversity conservation
- Biometry/quantitative research methods

Title of PhD Thesis (Ongoing):

Genetic variation for postharvest physiological deterioration among cassava genotypes in Malawi.

Title of Master's Dissertation:

*Evaluation of substrates, supplements and growing structures on yield of oyster (*Pleurotus*) and button (*Agaricus bisporus*) mushrooms.*

HAND BOOK/MANUAL

Makokha, P., Ssali, R.T., Otazu, V., Wanjala, B.W., Rajendran, S., Chiona, M., **Masamba, K.**, McEwan, M.A., Njunge, F., Low, J.W. (2019) *Manual for sweetpotato pre-basic seed production using sandponics system*, Lima, Peru: International Potato Center.

JOURNAL PUBLICATIONS

Masamba, K., Changadeya, W., Ntawuruhunga, P., Pankomera, P., Mbewe, W., Chipungu, F. (2022), "Exploring farmers' knowledge and approaches for reducing post-harvest physiological deterioration of cassava roots in Malawi", *Sustainability*, Vol. 14, pp. 2719.

Mbewe, W., Mwenye, O., Gondwe, E., Nyirenda, A., Supa, G., **Masamba, K.**, Kwendani, S., Chiipanthenga, M., Chipungu, F. (2021), "Epidemiology of potato late blight disease and other major postharvest biotic stresses in Malawi", *MOJ Food Process Technols*, Vol. 9. No. 3, pp. 80 - 86.

Mbewe, W., Mtonga, A., Chiipanthenga, M., **Masamba, K.**, Chitedze, G., Pamkomera, P., Gondwe, E., Mwenye, O. and Chipungu, F. (2021), "Incidence and distribution of Sweetpotato viruses and their implication on sweetpotato seed system in Malawi", *Journal of Plant Pathology*. <https://link.springer.com/content/pdf/10.1007/s42161-021-00830-4.pdf>

Whitfield, S., Chapman, S., Tonye Mahop, M., Deva, C., **Masamba, K.**, and Mwamahonje, A. (2021), "Exploring assumptions in crop breeding for climate resilience: opportunities and principles for

integrating climate model projections”, *Climatic Change*, Vol. 64, pp. 38.
<https://doi.org/10.1007/s10584-021-02997-2>.

Masamba, K., Phiri, A., Mwenye, O., Chiipanthenga, M., Chipojola, F., and Mbewe, W. (2020), “Preliminary evaluation of different combinations of inorganic and humate based fertilizer on yield of potato (*Solanum tuberosum* L.) in Malawi”, *Asian Plant Research Journal*, Vol. 5 No. 2, pp. 25-33.

JARRET MHANGO, MSc; BSc; Dip. (Agric),

RESEARCH INTERESTS

- Domestication of neglected Indigenous fruit trees and vegetables
- Biochemistry
- Biology and apiculture

Title of Master's Dissertation:

Effect of daylength temperature on flowering and leaf production of brassica juncea.

JOURNAL PUBLICATIONS

Mng'omba, S. A., Akinnifesi, F.K., Mkonda A., **Mhango J.**, Chilanga T., Weldesemayat, S.G. and Ajayi, C. (2014), "Ethnoecological knowledge for identifying elite phenotypes of the indigenous fruit tree, uapacakirkiana in the miombowoodlands of Southern Africa", *Agroecology and Sustainable Food Systems*, Vol. 39 No. 4, pp. 399-415.

Mng'omba, S. A., Sileshi, G. W., Jamnadass, R., Akinnifesi, F. K. and **Mhango, J.** (2012), "Scion and stock diameter size effect on growth and fruit production of clerocaryabirrea(marula) trees", *Journal of Horticulture and Forestry*, Vol. 4 No. 9, pp. 153-160.

Mhango, J., and Dick, J. (2011), "Analysis of fertilizer subsidy programs and ecosystem services in Malawi", *Renewable Agriculture and Food Systems*, Vol. 26 No. 03, pp. 200-207.

Mhango, J. L., Munthali, C. R. and Tumeo, T. (2009), "Organoleptic attributes and yield of products from parinari curatellifolia, strychnos cocculoides, mangifera indica, uapaca kirkiana and vitex doniana in Malawi", *Acta Horticulturae*, Vol. 2, pp. 513-518.

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Akinnifesi, F.K., Mng'omba, S.A., Sileshi, G., Ajayi, O.C. and **Mhango, J.** (2009), "First and second generation research efforts on commoditising indigenous fruit tree crops in southern Africa", *Acta Horticulturae*, Vol. 2, pp. 637-646.

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Akinnifesi, F. K., **Mhango, J.**, Sileshi, G. and Chilanga, T. (2008), "Early growth and survival of three miombo woodland indigenous fruit tree species under fertilizer, manure and dry-season irrigation in southern Malawi", *Forest Ecology and Management*, Vol. 255 No. 3-4, pp. 546-557.

Saka, J., Rapp, I., Akinnifesi, F., Ndolo, V. and **Mhango, J.** (2007), "Physicochemical and organoleptic characteristics of uapacakirkiana, strychnoscocculoides, adansoniadigitata and mangiferaindica fruit products (2007)", *International Journal of Food Science and Technology*, Vol. 42 No. 7, pp. 836-841.

Akinnifesi, F.K., Kwesiga, F., **Mhango, J.**, Chilanga, T., Mkonda, A., Kadu, C.A.C., Kadzere, I., Mithofer, D., Saka, J.D.K., Sileshi, G., Dhliwayo, P. and Swai, R. (2006), "Towards developing the miombo indigenous fruit trees as commercial tree crops in Southern Africa", *Forests, Trees and Livelihoods*, Vol. 16, pp. 103-121.

Kadzere, I., Watkins, C.B., Merwin, I.A., Akinnifesi, F.K., Saka, J.D.K. and **Mhango, J.** (2006), "Harvesting and postharvest handling practices and characteristics of uapaca kirkiana (Muell. Arg.) fruits: a survey of roadside markets in Malawi", *Agroforestry Systems*, Vol. 68, pp. 133-142.

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Mhango, J. and Akinnifesi, F.K. (2001), "The horticultural potential of Masuku (uapacakirkiana) and its propagation by air layering", *Horticulture in Malawi*, Vol 3 No. 3, pp. 16-18.

CONFERENCE PAPERS/PROCEEDINGS

Gondwe, D., Njera, D., Mwabumba, L. and **Mhango, J.** Seed desiccation tolerance of an underutilized indigenous fruit tree species using farmer friendly techniques: the case of *Myrianthus holstii* Engl. Paper presented at IUFRO-FORNESSA Regional Congress & ITTO/AFF Forest Policy Day held in Nairobi, Kenya, 25 to 30 June, 2012.

Akinnifesi, F.K., Kwesiga, F. R., **Mhango, J.**, Mkonda, A., Chilanga, T. and Swai, R. (2004) Domesticating priority miombo indigenous fruit trees as a promising livelihood option for small-holder

farmers in Southern Africa. In XXVI International Horticultural Congress: Citrus and Other Subtropical and Tropical Fruit Crops: Issues, Advances and 632 (pp. 15-30).

Schomburg, A., **Mhango, J.** and Akinnifesi, F.K. Marketing of Masuku (Uapacakirkiana) and Masawo (Ziziphusmauritiana) Fruits and their potential for processing by rural communities in Southern Malawi. Paper presented at the 14th ICRAF Southern Africa Regional Review and Planning Workshop held in Hararem Zimbabwe from 1 to 7 September, 2001.

Mhango, J. and Akinnifesi, F.K. On-farm assessment, farmer management and their perceptions of priority indigenous fruit trees in southern Malawi. Paper presented at the 14th ICRAF Southern Africa Regional Review and Planning Workshop held in Harare, Zimbabwe, 1 to 7 September, 2001.

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LUSAYO MWABUMBA, MSc; BSc. (Hons); BSc

RESEARCH INTERESTS

- Environmental forestry
- Natural resource management
- Biodiversity conservation and management

BOOK PUBLICATIONS

Masangano, E.M., Kayambazinthu, D. and **Mwabumba, L.** (2003), “Conflicts over the Miombo woodlands: the cases of Blantyre, Lilongwe and Kasungu in Malawi”, in Kowero, G., Campbell, B.M. and Sumaila, U.R. (Eds.), *Policies and governance structures in woodlands of southern Africa*, Bogor: CIFOR.

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Mwabumba, L., Masangano, C. M. and Kayambazinthu, D. (1999), “Communal management and utilisation of miombo woodlands in Malawi: results of a participatory rural appraisal in Blantyre, Lilongwe and Kasungu districts”, Zomba, Malawi: Forest Research Institute of Malawi.

JOURNAL PUBLICATIONS

Kamangadazi, F., **Mwabumba, L.**, Missanjo, E. and Phiri, F. (2016), “Selective harvesting impact on natural regeneration, tree species richness and diversity in forest co-management block in Liwonde Forest Reserve, Malawi”, *International Journal of Scientific Research in Environmental Sciences*, Vol. 4 No. 2, pp. 47-54.

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Kasulo, V., **Mwabumba, L.** and Munthali, C.R.Y. (2009), “A review of edible orchids in Malawi”, *Journal of Horticulture and Forestry*, Vol. 1 No. 7, pp. 133-139.

Chirwa, P.W., Bwanali, R.J., Meke, G., Sagona, W., Munthali, C.R.Y. and **Mwabumba, L.** (2007), “Growth and phenology of a three-to four-year-old *Sclerocarya birrea* international provenance trial in Malawi”, *Southern Hemisphere Forestry Journal*, Vol. 69 No. 1, pp.49-54.

Chapola, G.B.J., **Mwabumba, L.** and Kuyama, O.T.B.S. (1995), “Effects of initial spacing and thinning on yield and basic density of *Eucalyptus tereticornis* at Liwonde, southern Malawi”, *Journal of Tropical Forest Science*”, Vol. 8 No. 1, pp. 1-14.

Ngulube, M.R. and **Mwabumba, L.** (1995), “Evaluation of *Gliricidia sepium* provenances for agroforestry in Malawi”, *International Tree Crops Journal*, Vol. 8 No. 1, pp.1-11.

Ngulube, M.R., Chapola, G.B.J. and **Mwabumba, L.** (1993), “The potential of Australian dry zone acacias for agroforestry in Malawi”, *Forest Ecology and Management*, Vol. 56, pp. 83-97.

CONFERENCE PAPERS

Abdullah, H., Chawinga, W.D. and **Mwabumba, L.** Diffusion of information/knowledge for growing forest herbs amongst traditional healers: a case of traditional healers at Ekwendeni, Malawi. Paper presented at the Digital Transformation and the Changing role of Libraries and Information Centres in the Sustainable Development of Africa Conference organised by the Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL) held in Swaziland, 25 to 30 April, 2016.

Gondwe, D., Njera, D., **Mwabumba, L.** and Mhango, J. Seed desiccation tolerance of an underutilized indigenous fruit tree species using farmer friendly techniques: the case of *Myrianthusholstii* Engl. Paper presented at the Forests and Trees: Serving the People of Africa and the World. IUFRO-FORNESSA Regional Congress & ITTOAFF Forestry Policy Day held in Nairobi Kenya, 25 to 29 June, 2012.

Mponela, P. and **Mwabumba, L.** Performance of 8-year-old provenance cum families of *Uapaca kirkiana* Muell, Arg (Wild loquat) at Nauko, Machinga, Malawi. Paper presented at ANAFE symposium on Tertiary Agricultural Education held in Lilongwe, Malawi in July, 2008.

Mwabumba, L. Vision and mandate of professional education in forestry: Mzuzu University philosophy and experiences. Paper presented at the first national forestry symposium held at Mzuzu University, Malawi, 30 August to 1 September, 2004.

Mwabumba, L. and Ngulube, M. Research, science and technology for sustainable forest management. Paper presented at the DANCED-DANIDA Workshop on Sustainable Forest Management in Southern Africa held in Windhoek, Namibia, 14 to 16 August, 2001.

Kayambazinthu, D., **Mwabumba, L.** and Masangano, C. Institutional change and factors driving change in the miombo region: case studies in Malawi. A paper presented at the Workshop on Policies Governance and Harvesting Miombo Woodlands held at Arusha International Conference Centre, Tanzania, 7 to 14 October, 2000.

Mwabumba, L., Chirwa, P.W., Lowore, J.D. and Munthali, C.R.Y. Coppice and natural regeneration in some miombo woodlands of Malawi. Paper presented at the National Workshop on Community-based Management of Miombo Woodlands in Malawi organised by the Forestry Research Institute of Malawi at the Sun n Sand Holiday Resort, Mangochi, Malawi, 27 to 29 September, 1999.

Mwabumba, L. Guidelines for community-based management of forestry resources: the case of Chimaliro and Machinga. Paper presented at the National Workshop on Community-based management of Miombo Woodlands in Malawi organised by the Forestry Research Institute of Malawi at the Sun n Sand Holiday Resort, Mangochi, Malawi, 27 to 29 September, 1999.

Ngulube, M.R., **Mwabumba, L.** and Chirwa, P. Community-based management of Miombo Woodlands in Malawi. Paper presented at the National Workshop on Community-based management of Miombo Woodlands in Malawi organised by the Forestry Research Institute of Malawi at the Sun n Sand Holiday Resort, Mangochi, Malawi, 27 to 29 September, 1999.

Mwabumba, L. and Sitaubi, L.A. Seed pretreatment, growth and phenology of some indigenous fruit trees of the miombo ecozone at Naungu Forest Reserve, Malawi. Paper presented at the Improvement of Indigenous Fruit Trees of the Miombo Woodlands of Southern Africa Conference held in Mangochi, Malawi, 23 to 27 January, 1994.

ELISHA STEPHEN NGULUBE, MSc, BSc

ORCID: <https://orcid.org/0000-0001-5394-6690>

RESEARCH INTERESTS

- Timber and non-timber forest product development and processing
- Timber harvesting productivity and cost analyses
- Forest resource assessments and modelling

Title of Master's Dissertation:

Prediction of timber harvesting productivity for semi-mechanised systems in Viphyra forest plantations, Malawi.

JOURNAL PUBLICATIONS

Ndong, N., Mhango, J., **Ngulube, E.** and Zaabwe, T. (2024), "Evaluation of different fertilizer application levels on early growth of baobab seedlings in Malawi", *Open Access Library Journal*, Vol 11: e11709. DOI: 10.4236/oalib.1111709

Zembele, E.R. and **Ngulube, E.S.** (2022), "Effect of seed pretreatment methods on germination and early seedling growth of *Senna spectabilis*", *International Journal of Forestry Research*, Vol. 1, pp. 1-7.

Mzungu, J.T.T. and **Ngulube, E.S.** (2020), "A preliminary study on accident analysis of portable timber sawmills used in Mazamba forest plantation in Northern Malawi", *International Journal of Forestry Research*, pp. 1-7. DOI: 10.1155/2020/8846243.

Malata, H., **Ngulube, E.S.** and Missanjo, E. (2017), "Site specific stem volume models for *Pinus patula* and *Pinus oocarpa*", *International Journal of Forestry Research*. DOI: 10.1155/2017/3981647.

Shekwa, A., Chirwa, P., **Ngulube, E.** and Ghebremariam, T. (2017), "Productivity, efficiency and costs of manual saw and electric shear pruning operations in *Pinus elliottii* stands of Mpumalanga, South Africa", *International Journal of Forest Engineering*, Vol. 28 No. 3, pp. 169-175.

Moloi, T., Brink, M., Chirwa, P. W. and **Ngulube, E.** (2017), "A productivity model for first thinning of *Pinus patula* using a tractor and double-drum winch in South Africa", *Southern Forests: A Journal of Forest Science*, pp. 1-5.

Ngulube, E., Brink, M. and Chirwa, P. W. (2014), “Productivity and cost analysis of semi-mechanised and mechanised systems on the Viphya forest plantations in Malawi”, *Southern Forests: A Journal of Forest Science*, Vol. 76 No. 4, pp. 195-200.

CONFERENCE PAPERS/PROCEEDINGS

Ngulube, E. and Chidya, R. (2022), “Mountain forests in Malawi: fountain of water, biodiversity, tourism & livelihoods”, Poster presented at the National Advocacy and Awareness Conference on Mountains, Sunbird Capital Hotel, Lilongwe, Malawi, 13 December, 2022.

Ngulube, E., Brink, M. and Chirwa, P.W. Productivity analysis of a grapple skidder system on the Viphya forest plantations in Malawi. Paper presented at the 5th Forest Science Symposium held at Hilton College, Pietermaritzburg, South Africa, 24 to 25 July, 2012.

DALO NJERA, MSc; BSc.

ORCID ID: <https://orcid.org/0000-0001-8560-0192>

RESEARCH INTEREST

- Community based natural resources management
- Social forestry
- Participatory action research

Title of Master's Dissertation:

Analysis of local institutions on community participation in community participation in forest management: a case of Social Forestry Project in Kanyama Extension Planning Area in Dedza District.

BOOK CHAPTER

Njera, D. (2013), "Local communities' efforts to combat deforestation: Sendwe Village Forest Area in Lilongwe, Malawi", in Breen, C. (Ed.), *Community-Based Natural Resource Management in Southern Africa*, Bloomimhton: Center for African Studies, University of Florida.

JOURNAL PUBLICATIONS

Kalenga, G., Kasulo, V., **Njera, D.** and Doe, E. (2024), "Assessing the extent of community participation in co-management of natural resources at Vwaza Wildlife Reserve in Malawi: an integrated approach", *Journal of Environmental Studies and Sciences* <https://doi.org/10.1007/s13412-024-00965-7>.

Manda L., Salako K.V., Kataya A., Affossogbe S.A.T., **Njera D.**, Mgoola W.O., Assogbadjo A.E. and Sinsin B. (2023), "Co-management brings hope for effective biodiversity conservation and socioeconomic development in Vwaza Marsh Wildlife Reserve in Malawi", *Front Conserv Sci.*, Vol. 4:1124142. <https://doi.org/10.3389/fcosc.2023.1124142>.

Kayange C.D., Nyirenda, S.P., Mwamlima, L.H., Kamanula, J.F., Munthali, C.R.Y., **Njera, D** and Maluwa, P. (2022), "Field and Laboratory Evaluation of Pesticidal Plants for Bioactivity against Rape and Tomato Pests in Malawi", *Hindawi Advances in Agriculture*, <https://doi.org/10.1155/2022/28589>.

Manda, S. Missanjo E and **Njera, D.** (2021), "Use of *Jateorhiza palmata* roots to enhance public health in selected populations in Malawi", *Journal of Basic and Applied Research International*, Vol. 27 No. 10, pp 69-85.

Kayange, **D.**, **Njera**, D., Nyirenda, S. and Mwamlima, L. (2020), “Effectiveness of *Tephrosia vogelii* and *Tephrosia candida* extracts against bean aphid (*Aphis fabae*) in Malawi”, *Advances in Agriculture*, pp 1-6

Jere, V., Mhango, J., **Njera**, D. and Jenya, H. (2019), “Infestation of *Glycaspis brimblecombei* (Hemiptera: Psyllidae) on three Eucalyptus species in selected ecological zones in Malawi”, *African Journal of Ecology*, DOI: 10.1111/aje.12686.

Njera, D., Masangano, C., Makungwa, S., Kayambazinthu, D. and Misanjo, E. (2018), “Effectiveness of Local Institutions in Forest Management After Withdraw of External Funding: Lessons from Dedza, Malawi”, *Journal of Basic and Applied Research International*, Vol. 23 No. 3, pp 161-171.

Njera, D., Chonde, C., Kambewa, D., Dzanja, J., Kayambazinthu, D. and Missanjo, E. (2018), “Perceptions of Small-Scale Fish Farmers on Aquaculture Development in Dowa and Mchinji Districts in Central Malawi”, *Journal of Basic and Applied Research International*, Vol. 23 No. 3, pp 151-160.

Mbakaya, B., Ndengu, D. and **Njera**, D. (2018), “Implementation of the household approach. Views from key informants: Case of Chalwita model village, Rumphi, Malawi”, *Journal of Agricultural Extension Management*, Vol. 14 No. 2, pp 31-43.

Stedman, S., Mnyimbiri, A. M., Kawonga, Z., Malota M., **Njera**, D., Hall, R and Holm, R.H. (2018), “Using irrigation to kick-start multiple-use water services for small-scale farmers in Malawi: A case study of the Nkhata Bay district”, *Irrigation and Drainage*, DOI: 10.1002/ird.2282. pp 1-9.

Njera, D., Chonde, C., Kambewa, D., Dzanja, J. and Kayambazinthu, D. (2017), “Examining the significance of gender, marital status, landholding size and age of members on capacity of local level fish farmer organisations”, *International Journal of Natural Resource Ecology and Management*, Vol. 2, No. 5, pp. 64-72.

Njera, D. and Kafakoma, R. (2017), “Significance and strengthening private sector engagement in the management of public protected areas: experiences from Malawi”, *International Journal of Natural Resource Ecology and Management*, Vol. 2, No. 3, pp. 47-52.

Njera, D., Chonde, C., Kambewa, D., Dzanja, J., Kayambazinthu, D. and Kaunda, E. (2017), “Institutional environment affecting capacity of fish farmer organisations in Dowa and Mchinji districts in Central Malawi”, *Journal of Agricultural Economics, Extension and Rural Development*, Vol. 5 No. 4, pp, 612-619.

Njera, D., Chonde, C., Kambewa, D., Dzanja J. and Kayambazinthu D. (2016), “What influences capacity of fish farmer organizations? Experiences of CARP fish farmer organizations in Dowa and Mchinji districts in Central Malawi”, *Modern Agricultural Science and Technology*, Vol. 2 No. 1, pp. 45-54.

Njera, D., Chonde, C., Kambewa, D., Dzanja, J., Kayambazinthu, D., Kaunda, E., Moyo, L., Matsimbe, M., German, C. and Msandu, P. (2016), “Member-specific characteristics affecting capacity of farmer organisations in promoting fish farming: case of Dowa and Mchinji districts in Malawi”, *International Journal of Research in Agriculture and Forestry*, Vol. 3 No. 11, pp 6-12.

Njera, D., Chonde, C., Kambewa, D., Dzanja, J., Kayambazinthu, D., Kaunda, E., Moyo, L., Matsimbe, M., German, C. and Msandu, P. (2016), “Implications of the challenges affecting capacity of fish farmer organisations in Dowa and Mchinji districts in Malawi”, *International Journal of Research in Business Studies and Management*, Vol. 3 No. 9, pp. 14-19.

Njera, D., Msiska, V. and Mumba, R. (2016), “Why does policy implementation for community based natural resources management remain a challenge in Malawi and what strategies can improve the situation?” *International Journal of Research in Applied, Natural and Social Sciences*, Vol. 4 No. 9, pp 155-166.

Njera, D., Chonde, C., Kambewa, D., Kaunda, E. and Kayambazinthu, D. (2016), “Local community perspective about challenges affecting farmer organizations: case of selected socioeconomic characteristics of members in fish farmer organizations in Central Malawi”, *International Journal of Research in Agriculture and Forestry*, Vol. 3 No. 12, pp 1-11.

Kanthiti, M. and **Njera, D.** (2016), “What factors influence community participation in afforestation activities? Case of Nthenje Area in Lilongwe District in Malawi”, *International Journal of Research in Agriculture and Forestry*, Vol. 3 No. 12, pp 22-28.

Holm, R., Tembo, M., **Njera, D.**, Kasulo, V., Malota, M., Chipeta, W., Singini, W. and Mchenga, J. (2016), “Adopters and non-adopters of low-cost household latrines: a study of corbelled pit latrines in 15 districts of Malawi”, *Sustainability*, Vol. 8, pp 1-8.

CONFERENCE PAPERS/PROCEEDINGS

Gondwe, D., **Njera, D.**, Mwabumba L. and Mhango J. Seed desiccation tolerance of an underutilised indigenous fruit tree species using farmer friendly techniques: the case of *Myrianthus holstii* Engl. Paper

presented at IUFRO-FORNESSA Regional Congress & ITTO/AFF Forest Policy Day held in Nairobi, Kenya, 25 to 30 June, 2012.

Munthali, C.R.Y., Gondwe, D., **Njera, D.** and Chinjati, N. Seed Pretreatment to improve germination of *Brachystegia Boehmii* seed. Paper presented at the 2008 Annual Research Conference, held at Capital Hotel, Lilongwe, 11 to 13 March, 2008.

DEPARTMENT OF GEOSCIENCES

The department seeks to provide the nexus between the environment and development by analysing the complex relationship that exists between the society and the earth's surface. The department offers both Human and Physical Geography programmes to secondary school teachers, urban and rural planners, community developers, and others.

RESEARCH ACTIVITIES

The department seeks to conduct research and consultancy in emerging issues that are impacting on Malawi's environment and society. Specific areas of research for staff within the department are urban informality, urban disaster management, urban sustainability, educational leadership and management, and teaching methods.

JAMES GONDWE, MSc; BA (Ed)

ORCID: <https://orcid.org/0000-0002-2002-2042>

RESEARCH INTERESTS

- Urban informality
- Urban disaster management
- Urban sustainability
- Informality and the middle class in cities of Malawi and the global South

Title of Master's Dissertation:

Urban informality in Mzuzu City, Malawi: Informal settlements as sources of informal livelihoods and social networks.

JOURNAL PUBLICATIONS

Gondwe, J., and Manda, M. (2021), “Localizing children’s play spaces through the child friendly city lens: reframing tools for children’s inclusivity in Mzuzu City, Malawi”, *J. Inclus. Cit. Built Environ.*, Vol. 1, pp. 81 - 88.

Gondwe, J., Manda, M., and Kamlomo, D (2017), “Discriminatory land use planning and flood risk in Karonga, Malawi”, *Journal of Human Sciences*, Vol. 14 No. 4, pp. 3343-3355.

Kretzer, M.M., Engler, S., **Gondwe, J.** and Trost, E. (2016), “Fighting resource scarcity–sustainability in the education system of Malawi – case study of Karonga, Mzimba and Nkhata Bay district”, *South African Geographical Journal*, pp. 1-17.

Wei, Q., Tong, L., **Gondwe, J.**, Lv, X., Tong, W. and Liu, Y. (2015), “Non-use value trends analysis of wetland ecosystem in the Sanjiang Plain, Northeast China”, *Wetlands ecology and management*, Vol. 23 No. 3, pp. 347-355.

Gondwe, J. and Ayenagbo, K. (2013), “Negotiating for livelihoods beyond the formal Mzuzu City, Malawi, by the urban poor: Informal settlements as spaces of income generating activities”, *International Journal of Human Sciences*, Vol. 10 No. 1, pp. 356-375.

Gondwe, J., Feng, G.G. and Ayenagbo, K. (2011), “Planning for sustainability in Malawian cities: A conceptual analysis of the missing links”, *Journal of Human Sciences*, Vol. 8 No. 2, pp. 699-715.

Ayenagbo, K., Kimatu, J. N., **Gondwe, J.** and Rongcheng, W. (2011), “The transportation and marketing implications of sand and gravel and its environmental impact in Lome-Togo”, *Journal of economics and International Finance*, Vol. 3 No. 3, pp. 125-138.

CONFERENCE PAPERS

Gondwe, J. Towards a research agenda for animal geographies of livestock in African cities: Troubling the limits. Paper presented at the ECAS 2023 conference.
<https://nomadit.co.uk/conference/ecas2023/paper/71607>.

JAMES KUSHE, MSc; BA (Ed)

ORCID: <https://orcid.org/0000-0002-7381-1678>

RESEARCH INTERESTS

- Chemical quality of groundwater
- Water quality management
- Water and sanitation

Title of Master's Dissertation:

Assessment of the Chemical Quality of Groundwater for Drinking in Dedza, Malawi.

BOOK PUBLICATIONS

Gauti, H., Jimu, I. and **Kushe, J.** (2014) *Practice Geography Student Book 1*, Blantyre, Malawi: Dzuka Publishing Company Limited.

Kushe, J., and Hoko, Z. (2013) *Assessment of the chemical quality of groundwater for drinking in Dedza, Malawi*, Saarbrücken, Germany: Lambert Academic Publishing.

JOURNAL PUBLICATIONS

Kushe, J., Manda, M., Mdala, H. and Wanda, E. (2017), "The earthquake/seismic risk, vulnerability and capacity profile for Karonga town", *African Journal of Environmental Science and Technology*, Vol. 11 No. 1, pp. 19-32.

Wanda, E.M., Manda, M., **Kushe, J.**, Msiska, O., Mphande, C., Kamlomo, D. and Kaunda, J. (2017), "Using Citizen Science Approach to monitor water, sanitation and hygiene Related Risks in Karonga Town, Malawi", *African Journal of Environmental Science and Technology*, Vol. 11 No. 6, pp. 304-323.

Wanda, E.M., Gulula, L.C. and **Kushe, J.** (2014), "An assessment of effectiveness of the Lunyangwa River catchment co-management model in Mzuzu City, Northern Malawi", *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 72, pp. 96-103.

DEPARTMENT OF WATER RESOURCES MANAGEMENT AND DEVELOPMENT

The Department of Water Resources Management and Development was established in 2006. It offers courses in sanitation and water resources management and development at undergraduate and postgraduate levels. The Department has partnered with both public and private sector players such as Northern Region Water Board, Department of Irrigation and Water Resources (in the Ministry of Water Development), World Vision, Water for People, Pump Aid, and Water Aid in the implementation of various strategies that lead to the enhancement of water quality and sanitation.

VISION

To become a leading School for Water and Sanitation Sciences in the country and beyond that effectively provides training, consultancy and research needs of the industry and communities.

MISSION

To provide skill enhancing opportunities to Malawians and others through the acquisition of professional knowledge, technical and practical skills in the water and sanitation sector, research on the development of innovative and sustainable provisions of water and sanitation services.

RESEARCH AREAS

The Department's research activities are in the field of water and sanitation, water supply, environmental protection, irrigation, water resources planning, water harvesting and agricultural water management. Listed below are the profiles and research publications by members of staff in the department.

RUSSEL C.G. CHIDYA, PhD; MSc; BSc

ORCID: 0000-0002-9894-8945

RESEARCH INTERESTS

- Water, Sanitation and Hygiene (WASH);
- Environmental chemistry;
- Environmental management and Public Health;
- Waste Management and Treatment;
- Integrated Water Resources Management (IWRM);
- Air, Soil and Water Quality Assessment and Monitoring

Title of PhD Thesis:

Modelling, dynamics and spatio-temporal assessment of pesticide residues and heavy metals in environmental samples from Seto Inland Sea and Kurose River, Japan.

Title of Master's Dissertation

Assessment of Water Quality in Likangala River and its Catchment Area in Zomba, Malawi.

BOOK CHAPTER PUBLICATIONS

Ngongondo, C., Sajidu, S.M., **Chidya, R.C.** and Mulwafu, W.O. (2017), "Promotion of Integrated Water Resources Management Practices in the Context of Climate Change and Variability in Malawi a Case Study of Lake Chilwa Basin", in Kowenje, C., Paré, S, and Asfaw, B., (Eds.), *Proceedings of an Expert Workshop on Water Security held at Mekelle, Ethiopia, from 15-20 May 2017*, Göttingen: Cuvillier Verlag.

JOURNAL PUBLICATIONS

Chidya, R., Kachuma, O., Thole, T., Banda, L., Loewenberger, M. and Nicholson, J. (2024), "Evaluation of knowledge, attitude, practices and effectiveness of menstrual hygiene interventions in rural schools from Lilongwe, Malawi", *BMC Public Health*, Vol. 24 No. 1, 1435. <https://doi.org/10.1186/s12889-024-18940-w>

Mng'ombe, M. H., Mtonga, E.W., Chunga, B.A., **Chidya, R.C.G.**, Malota, M. (2024), "Comparative study for the performance of pure artificial intelligence software sensor and self-organizing map assisted software sensor in predicting 5-day biochemical oxygen demand for Kauma Sewage Treatment

Plant effluent in Malawi”, *Frontiers in Environmental Engineering*. 3:1373881. [https://doi:10.3389/fenve.2024.1373881](https://doi.org/10.3389/fenve.2024.1373881)

Mng’ombe, M., Chunga, B.A., Mtonga, E., **Chidya, R.**, and Malota, M. (2023), “Infilling Missing Data and Outliers for a Conventional Sewage Treatment Plant Using a Self-Organising Map”, *H2Open Journal*. <https://doi.org/10.2166/h2oj.2023.013>

Chavura, E., Singini, W., **Chidya, R.** and Mbakaya, B. C. (2022), “The Effect of Improved Water, Sanitation and Hygiene on Linear Growth Amongst Children Living in Developing Countries: A Systematic Review”, *European Scientific Journal*, ESJ, Vol. 18 No. 30, 296. <https://doi.org/10.19044/esj.2022.v18n30p296>.

Chidya, R., Derbalah, A., Abdel-Dayem, S., Kaonga, C., Tsuji, H., Takeda, K., and Sakugawa, H. (2022), “Contamination, dynamics, and health risk assessment of pesticides in seawater and marine samples from the Seto Inland Sea, Japan”, *Environmental Science and Pollution Research*, 29, pp. 67894 – 67907.

Munthali, G., Gumindoga, **W.**, **Chidya, R. C. G.**, Malota, M. and Muhoyi, H. (2022), “Spatial and temporal variation in rainfall and streamflow–Dzalanyama catchment, Malawi”, *Water Practice and Technology*, Vol. 17 No. 5, pp. 1035 – 1045.

Chidya, R.C.G., Sherif, M.A, Derbalah, A., Kaonga, C. and Sakugawa, H. (2021), “Ecotoxicological and human health risk assessment of selected pesticides in Kurose River, Higashi-Hiroshima City (Japan)”, *Water Environment Research Journal*, Vol. 94 No. 1, pp. 1-16.

Chidya, R.C.G., Munthali, A.K., Chitedze, I. and Chitawo, M.L. (2020), “Design and Efficacy of Solar Disinfection System for Improved Rural Household Water Treatment. Journal of Sustainable Development of Energy”, *Water and Environment Systems*, Vol 9, Issue 4, 1080369. <http://dx.doi.org/10.13044/j.sdewes.d8.0369>.

Sibande, C. O., Mtonga, E., **Chidya, R. C.**, Kanzunguze, A. and Wanda, E. M. (2020), “An Assessment of Streamflow Linkage between Land Use or Land Cover Change and in Lilongwe River Basin, Malawi”, *Malawi Journal of Science and Technology*, Vol. 12 No. 1, pp. 1-17.

Ngoma W., Hoko, Z., **Chidya, R.C.G.** and Misi, S. (2020), “Assessment of efficiency of a decentralized wastewater treatment plant at Mzuzu University, Mzuzu, Malawi”, *Journal of Phys Chem Earth Parts A/B/C*, Vol. 118 – 119, 102903. <https://doi.org/10.1016/j.pce.2020.102903>

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Abdelaal, K.A.A., Abd-Allah El-Shawy, E., Hafez, Y.M., Abdel-Dayem, S.M.A., **Chidya, R.C.G.**, Saneoka, H. and El Sabagh, A. (2020), “Nano-Silver and Non-Traditional Compounds Mitigate the Adverse Effects of Net Blotch Disease of Barley in Correlation with Up-Regulation of Antioxidant Enzymes”, *Pak. J. Bot.*, Vol. 52 No. 3, DOI: [http://dx.doi.org/10.30848/PJB2020-3\(13\)](http://dx.doi.org/10.30848/PJB2020-3(13)).

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Derbalah, A., Sunday, M., **Chidya, R.**, Jadoon, W. and Sakugawa, H. (2019), “Kinetics of photocatalytic removal of imidacloprid from water by advanced oxidation processes with respect to nanotechnology”, *Journal of Water & Health*, Vol. 17 No. 2, pp. 254 - 265.

Chidya, R.C.G., Sherif, M.A., Takeda, K. and Sakugawa, H. (2018), “Spatio-temporal variations of selected pesticide residues in the Kurose River in Higashi-Hiroshima city, Japan”, *Journal of Environmental Science and Health Part. B*, Vol.53 No. 9, pp. 602-614.

Derbalah, A., **Chidya, R.**, Waqar Jadoon, W. and Sakugawa, H. (2018), “Temporal trends in organophosphorus pesticides use and concentrations in river water in Japan, and risk assessment”, *Journal of Environmental Sciences*. Vol. 79, pp. 135-152.

Takeda, K., Nojima, H., Kuwahara, K., **Chidya, R. C.**, Adesina, A. O. and Sakugawa, H. (2018), “Nanomolar Determination of Hydrogen Peroxide in Coastal Seawater Based on the Fenton Reaction with Terephthalate”, *Analytical Sciences*, Vol. 34 No. 4, pp. 459 - 464.

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Chidya, R.C.G., Holm, R.H., Tembo, M., Cole, B., Workneh, P. and Kanyama, J. (2016), “Testing methods for new pit latrine designs in rural and peri-urban areas of Malawi where conventional testing is difficult to employ”, *Environmental Science: Water Research & Technology*, Vol. 2 No. 4, pp.726-732.

Chidya, R.C., Mulwafu, W.O. and Banda, S.C. (2016), “Water supply dynamics and quality of alternative water sources in low-income areas of Lilongwe City, Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 93, pp. 63-75.

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Mkwate, R.C., **Chidya, R.C.** and Wanda, E.M. (2016), “Assessment of drinking water quality and rural household water treatment in Balaka District, Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*. Vol. 100, pp. 353-362.

Manda, I.K., **Chidya, R.C.**, Saka, J.D. and Biswick, T.T. (2016), “Comparative assessment of water treatment using polymeric and inorganic coagulants”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 93, pp.119-129.

Chidya, R.C.G., Sajidu, S.M.I., Mwatseteza, J.F. and Masamba, W.R.L. (2011), “Evaluation and assessment of water quality in Likangala River and its catchment area”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 36 No. 14-15, pp. 865-871.

Kaonga, C.C., Kosamu, I.B., Lakudzala, D.D., Mbewe, R., Thole, B., Monjerezi, M., **Chidya, R.C.G.**, Kuyeli, S. and Sajidu, S.M.I. (2017), “A review of heavy metals in soil and aquatic systems of urban and semi-urban areas in Malawi with comparisons to other selected countries”, *African Journal of Environmental Science and Technology*, Vol. 11 No. 9, pp. 448-460.

Kaonga, C.C., **Chidya, R.C.G.**, Kosamu, I.B.M., Abdel-dayem, S.M., Mapoma, H.W.T., Thole, B., Mbewe, R. and Sakugawa, H. (2017), “Trends in usage of selected fungicides in Japan between 1962 and 2014: a review”, *International Journal of Environmental Science and Technology*, Vol. 15. No. 8. pp. 1801–1814.

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Chidya R., Kachuma K., Thole T., Banda L., Loewenberger M., Nicholson J. Evaluation of knowledge, attitude, practices and effectiveness of menstrual hygiene interventions in rural schools from Lilongwe, Malawi. Paper presented at the National Research Dissemination Conference held at Mzuzu University from 5th to 6th June, 2024.

Chingamtolo P.F., Tembo M., **Chidya R.**, Kamba M., Kazembe L., Andrea K. Spatial Heterogeneity of Water Quality from Urban Self-Supply Water Sources in Mzuzu City. Paper presented at the National Research Dissemination Conference held at Mzuzu University from 5th to 6th June, 2024.

Kachule L., **Chidya R.**, and Nyirenda M. Drivers of safe child faeces management by child caregivers in Falls Estate and Chinsapo 1 townships in Lilongwe. Paper presented at the National Research Dissemination Conference held at Mzuzu University from 5th to 6th June, 2024.

Kamwala E.A., **Chidya R.**, Wanda E. Assessment of Pesticide Residues in Surface and Groundwater Sources from Tea-Growing Areas in Mulanje, Malawi. Paper presented at the National Research Dissemination Conference held at Mzuzu University from 5th to 6th June, 2024.

Chidya R., Chunga B.A., Chipeta W., Magoya J., Magelegele C., Chinseu J., Mulenga B. Assessment of Suitability and Replicability of Piloted Management Models for Solar-Powered Drinking Water Schemes in Blantyre, Lilongwe, Nsanje, and Chikwawa. Paper presented during the WASAMA 2024 National Water Conference and Exhibition held at the BICC, Lilongwe, 23 – 24 March, 2024.

Kamwana L., Tembo M., **Chidya R.** Community stage of behaviour change for sustainable sanitation four years after Open Defecation-free certification of Balaka District. Paper presented during the WASAMA 2024 National Water Conference and Exhibition held at the BICC, Lilongwe, 23 – 24 March, 2024.

Mng'ombe, M., Mtonga E., Chunga B., **Chidya R.**, Malota M. Artificial Intelligence Driven Software Sensor for predicting Conventional Wastewater 5-Days Biochemical Oxygen Demand. Paper presented during the WASAMA 2024 National Water Conference and Exhibition held at the BICC, Lilongwe, 23 – 24 March, 2024.

Kazembe L.D., Wezzie Ngoma W., **Chidya R.** Quality, Dynamics, and Public Health Implications of Groundwater Used in Lodging Facilities in Karonga, Malawi. Paper presented during the WASAMA 2024 National Water Conference and Exhibition held at the BICC, Lilongwe, 23 – 24 March, 2024.

Chidya R (2023). An Assessment of Water and Sanitation Status, challenges, and opportunities in Malawi – a review. A keynote Presentation made during the 2023 National Water Conference & Exhibition held at the BICC, Lilongwe, 21 – 22 September, 2023.

Ngosi G.A., E. Wanda E., **Chidya R.** Assessment of Contaminants of Emerging Concern and Heavy Metals in Effluent and Receiving Waters in Mzuzu. A paper presentation made during the 2023 National Water Conference & Exhibition held at the BICC, Lilongwe, 21 – 22 September, 2023.

Mnjowe M., **Chidya R.** Assessing Impacts of Climate Change and Anthropogenic Activities On Chitete Dam Catchment Area in Kasungu Malawi. A paper presentation made during the 2023 National Water Conference & Exhibition held at the BICC, Lilongwe, 21 – 22 September, 2023.

Kazembe L., **Chidya R.** Quality, Dynamics, And Public Health Implications of Groundwater Used in Lodging Facilities in Karonga, Malawi. A paper presentation made during the 2023 National Water Conference & Exhibition held at the BICC, Lilongwe, 21 – 22 September, 2023.

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Chirombo, B., **Chidya, R.**, Troosters, W., Kagoya, P. and Ogbonna, G. Youth and Women Empowerment through Waste Business and Land Restoration in Malawi. Paper presented at the National Youth and AGYW Symposium held at the BICC, Lilongwe, Malawi on August 31, 2022.

Ngulube, E. and **Chidya, R.** Mountain forests in Malawi: Fountain of water, biodiversity, tourism & livelihoods. Paper presented at the National Advocacy and Awareness Conference on Mountains held at Sunbird Capital Hotel, Lilongwe, Malawi, on 13th December, 2022.

Ngumbira, K.S., **Chidya, R.C.G.**, Chimtali, P.J., Rankgomo, G.T. and Donkor, E.A. An Analysis of Sachet Water Quality and its Impact on Health of Consumers in Lilongwe, Malawi. Paper presented at the National Water Conference and Exhibition held at Nkopola Lodge, Mangochi, Malawi, from 29-30 September, 2021.

Manda, G., **Chidya, R.C.G.** and Ngoma, W. Spatial Assessment of Groundwater Quality under Changing Climatic Conditions in Rural Areas of Nkhata Bay, Malawi. Paper presented at the National Water Conference and Exhibition held at Nkopola Lodge, Mangochi, Malawi, from 29-30 September, 2021.

Chiduleni, I., **Chidya, R.C.G.** and Ngumbira, K. Determination of Water Quality in Re-Used Plastic Bottles and Sachets Sold in Nkhatabay District. Paper presented at the National Water Conference and Exhibition held at Nkopola Lodge, Mangochi, Malawi, from 29-30 September, 2021.

Ngoma, W., Hoko, Z., Misi S. and **Chidya, R.C.G.** Efficiency Assessment of a Decentralised Mzuzu University Wastewater Treatment Plant in Mzuzu, Malawi. Paper presented at the Waternet/WARFSA/GWP-SA International Symposium held in South Africa in. 2019.

Chidya, R. C., Singano, L., Chitedze, I. and Mourad, K. A. Quality of bottled drinking Water sold in Lilongwe City (Malawi): Standards compliance and health implications. Paper presented at the National Water Conference & Exhibition held at the Crossroads Hotel, Blantyre in Blantyre Malawi from 20th - 21st Mar, 2019.

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Chidya, R.C.G., Abdel-dayem, S.M., Takeda, K. and Sakugawa, H. Spatial Studies and Risk Assessment of Selected Pesticide Residues in Marine Samples from the Seto Inland Sea, Japan. Paper presented at the 2018 Ocean Sciences Meeting (OMS) at Oregon Convention Center in Portland City, Oregon State (USA) from 11 - 16th February, 2018.

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Chidya, R.C.G. and Mwepetha, G.B. Impact of Climate Change and Climate Variability on Water Resources in Forest Reserve Catchment Areas of Dzalanyama, Lilongwe. Paper presented at the Waternet/WARFSA/GWP-SA International Symposium held at the GICC, Gaborone, Botswana from 26- 28th October, 2016.

Kaonga, C.C., Kosamu, I.B.M., Lakudzala, D.D., Mbewe, R., Thole, B., Monjerezi, M., **Chidya, R.C.G.**, Kuyeli, S. and Sajidu, S.M.I. Heavy Metals in Soil and Aquatic Systems of Urban and SemiUrban Areas in Malawi. Paper presented at the Waternet/WARFSA/GWP-SA International Symposium held at the GICC, Gaborone, Botswana from 26- 28th October, 2016.

Mkwate, R.C., **Chidya, R.C.G.** and Wanda, E.M.M. Assessment of Drinking Water Quality and Rural Household Water Treatment in Balaka District, Malawi. Paper presented at the 16th Annual WaterNet/WARFSA/GWP-SA International Symposium held in Mauritius from 28 – 30th October, 2015.

Nangazi, M.J., **Chidya, R.C.G.** and Ngongondo, C. Impacts of Climate Change and Climate Variability on Water Resources in Rural Areas of Mangochi, Malawi. Paper presented at the 16th Annual WaterNet/WARFSA/GWP-SA International Symposium held in Mauritius from 28 – 30th October, 2015.

Kanzunguze, A., **Chidya, R.C.G.**, Chawinga, C. and Nakoma, O. Latent Impact Assessment of Pteridium Aquilinum Invasion on Soil and Water Resources in Mzuzu, Malawi. Paper presented at the 16th Annual WaterNet/WARFSA/GWP-SA International Symposium held in Mauritius from 28 – 30th October, 2015.

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Manda, I.K.M., **Chidya, R.C.G.**, Saka, J.D.K. and Biswick, T.T. Comparative assessment of water treatment using polymeric and inorganic coagulants. Paper presented at the World Water Day WASAMA National Water Conference held at the Grand Palace Hotel in Mzuzu, Malawi from 20 – 21st March, 2015.

Chitawo, C.E., **Chidya, R.C.G.** and Fandika, I.R. Assessment of Water Quality and Soil Salinity Levels in Public Irrigation Schemes: A Case of Nanzolo, Chikwawa, Malawi. Paper presented at the World Water Day -WASAMA National Water Conference held at the Grand Palace Hotel in Mzuzu, Malawi from 20 – 21st March, 2015.

Nakoma, O., **Chidya, R.C.G.**, Matamula, S., and Chawinga, C.B.J. Evaluation of groundwater quality in rural-areas of northern Malawi: Case of Zombwe Extension Planning Area in Mzimba. Paper presented at the International 15th WaterNet/WARFSA/GWP-SA Symposium held in Lilongwe, Malawi from 29th – 31st October, 2014.

Mulwafu, W.O., Ngongondo, C., Sajidu, S.M.I. and **Chidya, R.C.G.** Promotion of Integrated Water resources management practices in response to Climate Change. Paper presented at the Agro-ecosystems Services (AgESS)– Linking Science to Action in Malawi and the region conference held at Ufulu Gardens Hotel & Conference Centre in Lilongwe, Malawi from 6-7 March, 2014.

Chidya, R.C.G., Mulwafu, W.O. and Banda, C.T.S. Water supply dynamics and quality of alternative water sources in low-income areas of Lilongwe City, Malawi. Paper presented at the International 15th WaterNet/WARFSA/GWP-SA Symposium held in Lilongwe, Malawi from 29th – 31st October, 2014.

Chidya, R.C.G., Wapulumuka, M.O., Mulwafu, W.O. and Sjidu, S.M.I. Examining the potential of using spring waters for domestic and irrigation farming activities: Case study of Liwonde, Malawi. Paper presented at the International 13th WaterNet/WARFSA/GWP-SA Symposium held in Johannesburg, South Africa from 30 October – 2 November, 2012.

Chidya, R.C.G. Exploring the effects of waste management practices on the environment and climate change in Zomba. Paper presented at the National Research Dissemination Conference organised by the National Commission for Science and Technology (NCST) held at the Crossroads Hotel, Lilongwe, Malawi from 18th- 20th April, 2012.

Chidya, R.C.G. Examining the role of Science Fairs in Mathematics, Science and Technology Education in Malawi: Lesson from the past and the present. Paper presented at the Southern African Association for Research in Mathematics, Science and Technology Education (SAARMSTE) conference held in Lilongwe, Malawi from 16 - 19th January, 2012.

Chidya, R.C.G. Assessing the impact of availability of laboratory materials on Physical Science Education in Malawi: Case study of South East Education Division. Paper presented at the Southern African Association for Research in Mathematics, Science and Technology Education (SAARMSTE) conference held in Lilongwe, Malawi from 16 - 19th January, 2012.

Maseko, B.E. and **Chidya, R.C.G.** Evaluation of difficult topics in Secondary Physical Science Syllabus of Malawi: Case Study of South East and South West Education Division. Paper presented at the Southern African Association for Research in Mathematics, Science and Technology Education (SAARMSTE) conference held in Lilongwe, Malawi from 16 - 19th January, 2012.

Chidya, R.C.G., Sajidu, S.M.I., Mwatseteza, J.F. and Masamba, W.R.L. Assessment of Surface water Quality in Likangala River: Implications for Irrigation Farming. Paper presented at the National Water Conference organised by the Water Services Association of Malawi (WASAMA) and IWA held at Nkopola Lodge, Mangochi, Malawi from 20 – 23rd March, 2012.

Chidya, R.C.G., Sajidu, S.M.I., Mwatseteza, J.F. and Masamba, W.R.L. Physico-Chemical Characteristics of Surface Water Sources of Likangala River. Paper presented at the International 12th WaterNet WARFSA GWP-SA Symposium held in Maputo, Mozambique from 26 – 28 October, 2011.

Chidya, R.C.G. Effects of waste management practices on climate change: Case of Likangala River catchment area, Zomba. Paper presented at the National Climate Change Symposium held in Lilongwe, Malawi from 19th – 21st October, 2011.

Chidya, R.C.G., Sajidu, S.M.I., Mwatseteza, J.F. and Masamba, W.R.L. Surface water Quality of Likangala River: Implications for Irrigation Farming. Paper presented at the NUFU Water Sciences Project Dissemination Conference held at Kuchawe Inn, Zomba, Malawi from 12th – 15th September, 2011.

Chidya, R.C.G., Sajidu, S.M.I., Mwatseteza, J.F. and Masamba, W.R.L. Evaluation and assessment of water quality in Likangala River and its catchment area. Paper presented at the International 11th WaterNet/WARFSA/GWP-SA Symposium held at Victoria Falls, Zimbabwe in October, 2010.

BRIGHTON AUSTIN CHUNGA, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0002-5681-1537>

RESEARCH INTERESTS

- Water Resources and Systems Dynamics Modelling
- Hydraulic and Groundwater Engineering
- Catchment Hydrology
- Irrigation Engineering
- GIS and Geoinformatics

Title of PhD Thesis:

Water Resources Management: Rural Community participation at Catchment level in Malawi.

Title of Master's Dissertation:

Modelling of Water Allocation in the Aquaculture Integrated with Small-scale Irrigation in Chinyanja Triangle: Malawi, Mozambique, and Zambia (A Case Study of Malawi).

DIRECTORY ENTRY

Upton, K., Ó., Dochartaigh, B.É., Chunga, B. and Bellwood-Howard, I. (2018), “Africa Groundwater Atlas: Hydrogeology of Malawi”, *British Geological Survey*, Accessed from: [http://earthwise.bgs.ac.uk/index.php/Hydrogeology_of_Malawi].

Upton, K., Ó., Dochartaigh, B.É. and **Chunga, B.** (2016), “Africa Groundwater Atlas: Hydrogeology of Malawi”, *British Geological Survey*, Accessed from: http://earthwise.bgs.ac.uk/index.php/Hydrogeology_of_Malawi.

BOOK CHAPTER

Chunga, B. A., Ungwe, A., and Kusi-Appiah, A. (2022), Impacts of coronavirus on water demand and supply in the Towns of Malawi: Recounting the compulsory handwashing preventative regulation in Conceptualisation: Community Engagement, COVID-19 and Human and Social Sciences, Cape Town, South Africa: Africa Century Editions (ACE PRESS).

JOURNAL PUBLICATIONS

Mng'ombe, M. H., Mtonga, E.W., **Chunga, B.A.**, Chidya, R.C.G, Malota, M. (2024), “Comparative study for the performance of pure artificial intelligence software sensor and self-organizing map

assisted software sensor in predicting 5-day biochemical oxygen demand for Kauma Sewage Treatment Plant effluent in Malawi”, *Frontiers in Environmental Engineering*. 3:1373881. [https://doi:10.3389/fenve.2024.1373881](https://doi.org/10.3389/fenve.2024.1373881)

Igwebuike, N., Muchingami, I., **Chunga, B.** and Kanyerere, T. (2024), “Unveiling subsurface heterogeneity in porous aquifers: Insights from hydrogeophysics and derivative analysis”, *Journal of African Earth Sciences*, 214, <https://doi.org/10.1016/j.jafrearsci.2024.105275>

Chunga, B. A., Graves, A. and Knox, J. W. (2023), “Evaluating barriers to effective rural stakeholder engagement in catchment management in Malawi”, *Environmental Science & Policy*, 147, 138-146. <https://doi.org/10.1016/j.envsci.2023.06.006>

Mng’ombe, M., **Chunga, B.A.**, Mtonga, E., Chidya, R., and Malota, M. (2023), “Infilling Missing Data and Outliers for a Conventional Sewage Treatment Plant Using a Self-Organising Map”, *H2Open Journal*. <https://doi.org/10.2166/h2oj.2023.013>

Chunga, B.A., Mkwambisi, D., Workman, C.S., de los Reyes III, F., and Holm, R. (2023), “Educating sanitation professions: Moving from STEM to specialist training in higher education in Malawi”, *Waterlines*; 41:3, 1-13. <http://dx.doi.org/10.3362/1756-3488.22-00662>

Chunga, B.A., Marx, W., Cai, X., de Clercq, W., Watson, A. and Malota, M. (2023), “Water allocation using system dynamic modelling in the aquaculture integrated with small-scale irrigation systems in Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 129. <https://doi.org/10.1016/j.pce.2022.103355>.

Chunga, B.A., Kusi-Appiah, A., Masangano, C. and Mwamsamali, O.K. (2022), “Environmental and social consequences for moving beyond archaic legislation and policy: delay and disjoint in water governance, Malawi”, *Water Policy*, Vol. 24 No. 2, pp. 470-484.

Malota, M., Mchenga, J. and **Chunga, B.A.** (2022), “WaSim Model for Subsurface Drainage Design Using Soil Hydraulic Parameters Estimated by Pedotransfer Functions”, *Applied Water Science*, Vol. 12 No. 171. <https://doi.org/10.1007/s13201-022-01699-z>

Holm, R., **Chunga, B. A.**, Mallory, A., Hutchings, P., and Parker, A. (2021), “A Qualitative Study of NIMBYism for Waste in Smaller Urban Areas of a Low-Income Country, Mzuzu, Malawi”, *Environmental Health Insights*, Vol. 15, pp. 1-11.

CONFERENCE PAPERS

Khendlo, J., **Chunga, B.A.** and Tembo, M. *Nexus of Road Geometrics & Human Factor on Traffic Accidents Along Mzuzu-Jenda M1 Road Stretch*. Paper presented at the Technology and Innovation for Sustainable International Development and Policy. Consortium for International Management, Policy and Development (CIMPAD) Twelfth International Conference held at the Amaryllis Hotel, Blantyre, Malawi, from 17 – 20 July 2022.

Chunga, B. A., Walter, M., Wieprecht, S., Xueliang, C., De Clercq, W., Watson, A., and Malota, M. *Water Allocation using System Dynamic Modelling in the Aquaculture Integrated with Small-Scale Irrigation Systems in Malawi*. Paper presented at a conference at the 22nd WaterNet/WARFSA/GWP-SA Symposium on Integrated Water Resources Management for Sustainable Development in Eastern and Southern Africa held in Harare, Zimbabwe from 20 -22 October 2021.

Mng'ombe, M., Mtonga, E., Chidya, R. and **Chunga, B.A.** *Modelling of Kauma waste stabilisation pond treatment process using artificial intelligence*. Paper presented at the 42nd WEDC International Conference. Equitable and Sustainable WASH Services: Future challenges in a rapidly changing world Loughborough University, United Kingdom from 13-15 September 2021.
<https://hdl.handle.net/2134/16924096.v1>

MPHATSO MALOTA, MSc; BSc

ORCID: <https://orcid.org/0000-0002-9939-1149>

RESEARCH INTERESTS

- Water quality assessment
- Water harvesting
- Agricultural water management

Title of Master's Dissertation:

An Assessment of shallow water tables and the development of appropriate drainage design criteria for sugarcane in Pongola, South Africa.

JOURNAL PUBLICATIONS

Mng'ombe, M. H., Mtonga, E.W., Chunga, B.A., Chidya, R.C.G, **Malota, M.** (2024), "Comparative study for the performance of pure artificial intelligence software sensor and self-organizing map assisted software sensor in predicting 5-day biochemical oxygen demand for Kauma Sewage Treatment Plant effluent in Malawi", *Frontiers in Environmental Engineering*. 3:1373881. [https://doi:10.3389/fenv.2024.1373881](https://doi.org/10.3389/fenv.2024.1373881)

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Munthali, G., Gumindoya, W., Chidya, R.C.G., **Malota, M.**, Muhoyi, H. (2022), "Spatial and temporal variation in rainfall and streamflow -Dzalanyama Catchment Malawi", *Journal of Water Practice & Technology* <https://doi.org/10.2166/wpt.2022.045>

Malota, M., Mchenga, J. and Chunga, B.A. (2022), "WaSim model for subsurface drainage design using soil hydraulic parameters estimated by pedotransfer functions", *Journal of Applied Water Science*, Vol. 12 No. 7, DOI:10.1007/s13201-022-01699-z

Taguta, C., Senzanje, A., Kiala, Z., **Malota, M.**, Mabhaudhi, T. (2022), "Water-Energy-Food Nexus in Theory and Practice: A Systematic Review", *Journal of Frontiers in Water*, <https://doi.org/10.3389/frw.2022.837316>

Malota, M. and Mchenga, J. (2019), “Revisiting Dominant Practices in Floodwater Harvesting Systems: Making Flood Events worth Their Occurrence”, *Journal of Applied Water Science*, Vol. 10 No. 1, DOI:10.1007/s13201-019-1096-4

Malota, M. and Mchenga J. (2018), “Matching soil salinization and cropping systems in communally managed irrigation schemes”, *Journal of Applied Water Science*, Vol. 8 No. 14. <https://doi.org/10.1007/s13201-08-0670-5>

Stedman, S., Mnyimbiri, M.A., Kawonga, Z., **Malota, M.**, Njera, D., Hall, R. and Holm, R. (2018), “Using irrigation to kick-start multiple use water services for small-scale farmers in Malawi: A case study of Nkhata Bay District”, *Journal of Irrigation and Drainage*. DOI:10.1002/ird.2282

Zaunda, H., Holm, R., Itimu-Phiri, A., **Malota, M.** and White, S. (2018), “A qualitative assessment of disability friendly water and sanitation facilities in primary schools, Rumphi, Malawi”, *Journal of Development Southern Africa*, <https://doi.org/10.1080/0376835X.2018.1461610>

Malota, M. and Senzanje, A. (2016), “A diagnosis of sub-surface water table dynamics in low hydraulic conductivity soils in the sugar cane fields of Pongola, South Africa”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 92, pp. 61-69.

Holm, R., Tembo, M., Njera, D., Kasulo, V., **Malota, M.**, Chipeta, W. and Mchenga, J. (2016), “Adopters and non-adopters of low-cost household latrines: a study of corbelled pit latrines in 15 districts of Malawi”, *Sustainability*, Vol. 8 No. 10, p. 1-8.

Malota, M. and Senzanje, A. (2015), “Modelling mid-span water table depth and drainage discharge dynamics using DRAINMOD 6.1 in a sugarcane field in Pongola, South Africa”, *Water SA*, Vol. 41 No. 3, pp. 325-334.

CONFERENCE PAPERS

Malota, M., Taguta, C., Dirwai, T.L., Senzanje, A. and Mabhaudhu, T. “Accuracy of WaSim and DRAINMOD models for subsurface drainage design and analysis in a data scarce region”. Paper presented at the 11th International Drainage Symposium of the American Society of Agricultural and Biological Engineers (ASABE) held at St. Joseph, Michigan, August 30 – September 2, 2022, DOI:10.13031/ids.202200037

Taguta, C., **Malota, M.**, Dirwai, T.L., Senzanje, A., Mabhaudhu, T. “Performance of EnDrain model in modelling agricultural subsurface drainage systems in KwaZulu-Natal, South Africa”. Paper presented at the 11th International Drainage Symposium of the American Society of Agricultural and Biological Engineers (ASABE) held at St. Joseph, Michigan, August 30 – September 2, 2022. DOI:10.13031/ids.202200038

Malota, M., Veldman, R. and Holm, R. A. Evaluation of the low adoption rate of drip irrigation in Malawi. Paper presented at the 23rd ICID CONGRESS and 66th IEC Meeting held in Montpellier, France, 12 to 15 October, 2015.

Chiwaka, T., **Malota, M.**, Ngosi, S.M. and Mandala, R. Balancing irrigation water and soil salinity levels at a communally managed irrigation scheme. Paper presented at the WASAMA Conference held at the Grand Palace Hotel, Mzuzu, Malawi, 20 to 21 March, 2015.

Ngosi, S.M., **Malota, M.**, Chiwaka, T. and Mandala, R. River flooding for gain: making floods worth their occurrence. Paper presented at the WASAMA Conference held at the Grand Palace Hotel, Mzuzu, Malawi, 20 to 21 March, 2015.

Malota, M. and Senzanje, A. Drain it or perish: a look at the performance of drainage approaches in Pongola, South Africa. Paper presented at the 22nd ICID CONGRESS and 65th IEC Meeting held in Gwangju, Republic of Korea, 14 to 20 September, 2014.

Malota, M. and Senzanje, A. Verification of a subsurface drainage design criteria in low hydraulic conductivity soils of Pongola, South Africa. Paper presented at the 15th WaterNet/WARFSA/GWP-SA Symposium held in Lilongwe, Malawi, 29 to 31 October, 2014.

Malota, M. Malawi on the road to irrigation development: a compassionate story of successes, challenges and hope. Paper presented at the 15th WaterNet/WARFSA/GWP-SA Symposium held in Lilongwe, Malawi, 29 to 31 October, 2014.

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

The Faculty of Humanities and Social Sciences was established in 2017 following the restructuring of Faculties and Departments by the University. The Faculty comprises six departments, namely Theology and Religious Studies; History and Heritage Studies; Information Sciences; Communication Studies; Languages, Cultural and Creative Studies; and Governance, Peace and Security Studies. The Faculty offers high-quality education at undergraduate and postgraduate levels in a variety of fields, and has a substantial research profile. Graduates from the Faculty are equipped with the skills of critical thinking, effective communication, and social responsiveness which are gained through the following undergraduate programmes: Security Studies; Library and Information Science; Communication Studies; and Theology and Religious Studies. The Faculty offers exciting postgraduate programmes, namely Masters in Library and Information Science, Masters in Theology and Religious Studies; and PhD in Theology and Religious Studies.

MISSION

To provide high quality education, training, research, and complementary services to meet the technological, social and economic needs of individuals and communities in Malawi.

RESEARCH AREAS

The Faculty is committed to conducting innovative research that informs teaching and policy formulation at national level. The research crosscuts various interdisciplinary thematic areas that include history and heritage studies; gender and development; crisis communication; vocational communication; public relations education; research data management; records management and good governance; public theology; religion and the environment; conflict management and peace building; urban governance and democratization; diplomacy and foreign policy analysis; language and development; oral literature; and literature and politics.

DEPARTMENT OF COMMUNICATION STUDIES

The Department of Communication Studies was established in 2018 with the aim of becoming a centre of excellence in the training of professionals in communication in order to promote best communication practices.

VISION

Recognition of the department and its programs within and beyond through research, excellence in teaching, and impactful outreach programmes.

MISSION

Dedicated to excellence in teaching, research and industrial experience in the disciplines of communication and media.

RESEARCH AREAS

The Department's main research focus include the following: Crisis communication, vocational communication and public relations education.

ELIDA TAFUPENJI KAMANGA, MA; BEd.

ORCID: <https://orcid.org/0000-0002-2381-6059>

RESEARCH INTEREST

- Health Communication
- Public Relations
- Corporate Communication
- Corporate social responsibility

TITLE OF MASTERS THESIS

Media Coverage of Cervical Cancer in Malawi: A National Sample of Newspapers and a Radio Station.

PRECIOUS MADULA, PhD; MA; BA (Ed)

ORCID: <http://orcid.org/0000-0002-4525-873X>

RESEARCH INTERESTS

- Health Communication
- Media Effects
- Cross-Cultural Communication.
- Strategic Communication

Title of PhD Thesis:

Assessment of Interpersonal Communication between Healthcare Providers and Patients in Malawi.

Title of Master's Dissertation:

Bridging the Information Gap: How to Improve Communication between Healthcare Providers and Patients in Malawi.

BOOK PUBLICATION

Kondowe, W., Kamanga, C.M.M. and **Madula, P.** (Eds.) (2024) *Multilingualism in Southern Africa: Issues and Perspectives*, New York: Routledge.

BOOK CHAPTERS

Kamanga, C.M.M. and **Madula, P.** (2024), "Multilingualism and the evolution of new language repertoires in Africa: Common features that Chibrazi of Malawi shares with other urban contact vernacular languages of Africa", in Kondowe, W., **Madula, P.** and Kamanga, C. M. M. (Eds.), *Multilingualism in Southern Africa*, New York: Routledge, pp.183-199.

Nyirongo, M., **Madula, P.** and Bukula, T. (2024), "Cannibalism-political economy nexus in African football news reports", in Aiseng, K., Fadipe, I.A. and Mpofu, P. *Political Economy of Contemporary African Popular Culture: The Political Interplay*, pp. 187-203.

JOURNAL PUBLICATIONS

Kaminga, A.C., Myaba, J., Dai, W., Liu, A., Chilale, H.K., Kubwalo, P.F., **Madula, P.**, Banda, R., Pan, X. and Wen, S.W. (2019), "Association between referral source and duration of untreated psychosis in pathways to care among first episode psychosis in patients in Northern Malawi", *Early Intervention in Psychiatry*, pp. 1 – 12. DOI: 10.1111/eip.12885.

Madula, P. (2018), “Afro-Pessimism and negative reporting on South Africa during the 2010 Fifa World Cup”, *New Media and Mass Communication*, Vol. 76, pp. 1 – 6.

Madula, P., Kalembo, F.W., Yu, H. and Kaminga, A.C. (2018), “Healthcare provider-patient communication: a qualitative study of women’s perceptions during childbirth”, *Reproductive Health*, Vol. 15, pp. 1-10.

Madula, P., Hong, Y., Kondowe, W. (2017), “Facing the Enemy Head on: The Role of Pasimba Radio Program in Promoting the Fight against HIV and AIDS in Malawi”, *Advances in Journalism and Communication*, Vol. 5 No. 4, pp. 278-292.

Kondowe, W., Ngwira, F.F. and **Madula, P.** (2014), “Linguistic analysis of Malawi newspaper cartoons on President Joyce Banda: Towards Grices’ Conversational Implicature”, *International Journal of Humanities and Social Sciences*, Vol. 4 No. 7.1, pp. 40-51.

Madula, P. (2013), “Nursing education and its impact on patient healthcare provider communication in Malawian hospitals”, *Journal of Media and Communication Studies*, Vol. 5 No. 8, pp. 123-131.

CONFERENCE PAPERS

Madula, P. Internet penetration in Malawi. Paper presented at the Media effects in Asian and African Countries conference held at Huazhong University of Science and Technology, People’s Republic of China, 9 to 10 October, 2016.

Madula, P. Cultural shock amongst African students in China. Paper presented at the Intercultural Communication Symposium held at the Shanghai International Studies University, 2 to 5 February, 2013.

Madula, P. Prospects and challenges of mobile learning at Mzuzu University. Paper presented at the Mobile Learning in Africa conference held at the University of Cape Town, 26 to 28 June, 2008.

DEPARTMENT OF GOVERNANCE, PEACE AND SECURITY STUDIES

The Department of Governance, Peace and Security Studies evolved from the Centre for Security Studies (CSS) which was established in 2007. It offers programmes at certificate, diploma and bachelor's degree levels to personnel mainly employed by the Malawi Defence Forces (MDF), Malawi Police Service (MPS), Immigration Department, and other security organs.

VISION

To be an academic centre of excellence, responsive to addressing knowledge and skills gaps in the defence and security sector in Malawi, the Southern African Development Community (SADC) and beyond.

RESEARCH INTERESTS

Members of staff in the Centre for Security Studies conduct research in the areas of peace and conflict studies, public policy analysis, human security, security and development, and peace studies. Profiles of staff in CSS are presented below.

GEORGE ABEL MHANGO, MA; BA (Pub.)

ORCID: <https://orcid.org/0000-0002-4787-9708>

RESEARCH INTERESTS

- Peace and conflict studies
- Public Policy analysis
- Governance and development studies

Title of Master's Dissertation:

The Politics of Decentralized Development Planning in Mulanje and Mwanza Districts.

BOOK CHAPTER

Mhango, G.A. (2013), "Contesting the political space of decentralization and development planning in rural Malawi: Insights from project selection in Mulanje and Mwanza districts", in Scott, G.K. and Wallis, M. (Eds.), *Citizen Engagement, Decentralization and Service Delivery in Africa*, Nairobi: Association of African Public Administration and Management (AAPAM), pp. 145-154.

JOURNAL PUBLICATIONS

Mhango, G.A. (2012), "Is quiet diplomacy in consonance with peacemaking in SADC? Lessons from Zimbabwe", *Southern African Peace and Security Studies*, Vol. 1 No. 1, pp. 14-25.

CONFERENCE PAPERS

Mhango, G.A. Conflict prevention, peacebuilding and international security cooperation: Implications for national security priorities in Malawi. Paper presented at the Addressing Contemporary Challenges to Security and Development in Malawi conference held at the Bingu International Conference Centre (BICC), Lilongwe, Malawi, 8 to 9 September, 2015.

Mhango, G.A. Youth, violence and political socialization in southern Africa: Mapping a research agenda. Paper presented at the Youth and Conflict in Africa conference held at the Dag Hammarskjöld Institute of Peace and Security, Copperbelt University, Kitwe, Zambia on 8 February, 2014.

Mhango, G.A. Peacebuilding in southern Africa: (Re)framing the agenda. Paper presented at the Peacebuilding in Southern Africa conference held at Chrismar Hotel, Lusaka, Zambia, 21 to 22 September, 2013.

Mhango, G.A. Responding to regional conflicts: How good are SADC's reflexes for peacekeeping? Paper presented at the Peacekeeping and enforcement in Southern Africa conference held Chrismar Hotel, Lusaka, Zambia, 21 to 23 September, 2012.

Mhango, G.A. Security and development in nascent democracies: A critical reflection on Malawi's trajectory. Paper presented at the Security and Development in a Democracy Conference held at Sunbird Capital Hotel, Lilongwe, Malawi, 25 to 26 July, 2012.

EUGENIO NJOLOMA, MSocSci; BSocSci (Hons); BSocSci

ORCID: <https://orcid.org/0000-0002-2241-5835>

RESEARCH INTERESTS

- Foreign policy of African States
- Security and development
- Governance (Rural and national)
- Ethnic and racial studies
- Peace and conflict studies

Title of Master's Dissertation:

A Study of Intra-African Relations: An Analysis of the Factors Informing Malawi's Foreign Policy towards Zimbabwe.

BOOK CHAPTERS

Njoloma, E. (2020), "Straddling between Convergence and Divergence: A Constructivist View of Malawi's Foreign Policy in Post-Independence Africa", in Bischoff, P.H. (ed), *African Foreign Policies: Selecting Signifiers to Explain Agency*, London: Routledge.

Kamanga, G. and **Njoloma, E.** (2019), "The Socio-economic impact of tourism on local community in Nkhata Bay district, Malawi", in Gursory, D. and Nunkoo, R. (Eds.) *The Routledge Handbook of Tourism Impacts: Theoretical and Applied Perspectives*, London: Routledge.

JOURNAL PUBLICATIONS

Kanyangale, M. and **Njoloma, E.** (2020), "Relational-based resilience of public university: A case study on Losing a Library by Mzuzu University in Malawi", *South African Journal of Libraries and Information Science*, Vol. 86 No. 1, pp. 14-25.

Njoloma, E. and Kamanga, G. (2019), "The effects of crime on tourist's travel decision to Malawi", *African Journal of Hospitality, Tourism and Leisure*, Vol. 8 No. 3, pp. 1-11.

Njoloma, E. (2015), "The role of history in Malawi's foreign policy towards Zimbabwe", *The Journal of the Catholic University of Malawi*, Vol. 1 No. 1, pp. 107 - 112.

CONFERENCE PAPER

Njoloma, E. Healing Malawi's Diplomatic Handcappedness through Multilingualism. Paper presented at the University of Dares Salam Humanities Conference organised by the College of Humanities, University of Dar Es Salam, 13 to 15 September 2023.

Njoloma, E. Historicization of Federalism Demands in Malawi. Paper presented at the Toyin Falola @70 Conference organised by Department History, Archaeology and Political Studies, Kenyatta University, 10-12 May 2023.

Njoloma, E. The effects of politicized ethnicity on security and development in Malawi from 2004 to 2020. Paper presented at the International Humanities Conference organized by the College of Humanities and Social Sciences, Makerere University, Uganda, 23 to 26 August 2022.

Njoloma, E. Challenges of information and communication technology to Malawi's urge for human security. Paper presented at the launch of the Competence Centre for African Research, University of St Gallen, St Gallen, Switzerland, 13 to 16 January 2020.

Njoloma, E. The effect of cultural heritage on national cohesion in Malawi. Paper presented at Historical Heritage and Security conference, organized by the Southern African Centre for Collaboration on Peace and Security (SACCPS) and hosted by Osaka School of Public Policy, Osaka University, Osaka, Japan, 15 November 2017.

Njoloma, E. The socio-economic impact of the heavily indebted poor countries initiative on Malawi. Paper presented at the South African Association of Political Studies Regional Colloquium held at Summerstrand Inn, Port Elizabeth, South Africa, 1 to 2 September, 2009.

THEODORA THINDWA, MA; BA

ORCHID ID: <https://orcid.org/0000-0002-7675-1754>

RESEARCH INTERESTS

- Human Security
- Peace Studies
- Security and Development
- China-Africa Relations

Title of Master's Dissertation:

China-Malawi Relations: An Analysis of Trade Patterns and Development Implications.

BOOK CHAPTER PUBLICATIONS

Thindwa, T. (2023) "Foreign Involvement in Preventing and Countering Violent Extremism" (PCVE) in van Nieuwkerk, A., Shule, L. and Buchanan-Clarke, S. (Eds.), *African Perspectives on Preventing and Countering Violent Extremism Southern Africa Security Review 2022*, Friedrich Ebert Stiftung (Mozambique), pp 123-148.

JOURNAL PUBLICATIONS

Thindwa, T., Chawinga, W.D. and Dube, G. (2019), "Information-seeking behaviour of security studies students: A case study", *South African Journal of Information Management*, Vol. 21 No. 1, pp. 1-10.

Thindwa, T.C. (2015), "China-Malawi relations: an analysis of trade patterns and development implications", *African East-Asian Affairs*, Vol. 7 No. 4, pp. 42-77.

CONFERENCE PAPERS

Thindwa, T. Analysing Poverty as Structural Violence in Malawi. Paper presented at the third joint research symposium on inclusive and sustainable economic development-envisioning wealth for all, held in Lilongwe, Malawi, 18 - 19 September, 2019.

Thindwa, T. The role of traditional justice mechanism in promoting peace in Africa. Paper presented at a conference on Historical Heritage and Security, Osaka University, Japan, 15 November, 2017.

Thindwa, T. Status of Security Sector Reform (SSR) and human security in southern Africa. Paper presented at the Security Sector Reform and Governance (SSR/G) conference as a tool for democratic and prosperous peace? Maputo, Mozambique, 24th-25th November, 2017.

Thindwa, T. Future contributions of countries in SADC to peace operations and conflict resolution. Paper presented at the New Geopolitics of Peace Operations: A Dialogue with Southern Africa conference held in Maputo, Mozambique, 28 to 29 October, 2015.

Thindwa, T. Parliamentary Committees and their effectiveness in ensuring Horizontal Accountability: A comparative analysis of Public Appointments Committees in Malawi, Ghana, Sierra Leone and Scotland. Paper presented at the Parliamentary Accountability and Local Governance in Malawi: A stock take conference held in Liwonde, Malawi, 4 to 5 March, 2010.

DEPARTMENT OF HISTORY AND HERITAGE STUDIES

The Department of History and Heritage Studies formerly known as the Department of History was established in 2007 having existed before as a section under the then department of Humanities for seven years since 2001. Initially it was under the Faculty of Education. In 2018 it was renamed Department of History and Heritage Studies following the reorganization of the University programmes, and was moved to the Faculty of Humanities.

VISION

To promote awareness of the significance of history in the development of social, political and economic needs of individuals and communities in Malawi through research and training.

MISSION

To provide high quality education to history students studying to become teachers at secondary and tertiary institutions, and mould patriotic citizens planning to work in the private and public sectors.

RESEARCH AREAS

Members of staff within the Department of History and Heritage Studies carry out research in the fields of the dynamics of History and heritage in Malawi since 1964, gender and development, and climate and ecological change in post-colonial Malawi.

HARVEY CHIDوبا BANDA, PhD; MA; BA

ORCID: <https://orcid.org/0000-0002-4890-3888>

RESEARCH INTERESTS

- Labour migration
- Migration of people

Title of PhD Thesis:

The dynamics of labour migration from northern Malawi to South Africa since 1974.

Book Publications

Banda, H. C. C. (2017) Perspectives of labour migration from Mzimba District, Malawi, to South Africa, Cameroon: Langaa.

Banda, H. C. C. (2017) Migration from Malawi to South Africa: A historical and cultural novel-real life experiences, Cameroon: Langaa.

Banda, H. C. C. (2016) *Vidokoni: Folktales from Mzimba, Malawi*, Cameroon: Langaa.

Journal Publications

Banda, H. C. C. (2013), “Xenophobia as a form of insecurity: The plight of Malawian migrants in South Africa”, *Southern African Peace and Security Studies*, Vol. 2 No. 2, pp. 31-45.

Banda, H. C. C. (2015), “Gendered migrancy from Mzimba District, Malawi, to South Africa since the 1990s”, *Religion and Culture*, Vol. 2, pp. 13-18.

Banda, H. C. C. (2017), “The decline of migrancy and increase in informal labour migration from northern Malawi to South Africa, 1970s – 1980s”, *New Contree*, Vol. 79, pp. 65-85.

Banda, H. C. C. (2015), “Migration, economy and politics: Unprecedented increase in informal labour migration from northern Malawi to South Africa in the 1990s”, *African Renaissance*, Vol. 15 No. 4, pp. 53-75.

HENRY CHIWAURA, PhD; MA; PGD; BA

ORCID: <https://orcid.org/0000-0002-4064-4260>

RESEARCH INTERESTS

- Heritage and Sustainable development
- Cultural entrepreneurship
- Heritage and Tourism
- Archaeology and museology

Title of PhD Thesis:

It's Heritage, Identity and Tourism: the memorialisation of Joshua Nkomo in Zimbabwe.

Title of Master's Dissertation:

Legal pluralism in the management of heritage sites: the case of Matopos cultural landscape in Zimbabwe.

BOOK PUBLICATIONS

Mawere, M., Chiwaura, H. and Thondhlana, T.P. (2015) (Eds) *African Museums in the Making: Reflections on the Politics of Material and Public Culture in Zimbabwe*, Langaa Research and Publishing CIG.

BOOK CHAPTERS

Lusaka, M. and Chiwaura, H. (2024), "From Department of History to Department of History and Heritage Studies: Discourses of Heritage at Mzuzu University in Malawi", in Boadu, G. and Oppong, C.A. (Eds.) *History Education in Africa: Research, Perspectives and Practices*, Cham, Switzerland: Springer Nature, pp. 315-335.

Chiwaura, H. (2022), "African Liberation Heritage in the post-colonial period: The museumisation of Joshua Nkomo's house in Bulawayo", in Thondhlana, T.P., Mujere, J. and Mataga, J. (Eds.) *Independent Museums and Culture Centres in Colonial and Postcolonial Zimbabwe: Non-State Players, Local Communities and Self-Representation*, London: Taylor and Francis, pp. 91-100.

Chiwaura, H. (2017), "The Immortalization of Joshua Mqabuko Nyongolo Nkomo", in Ndlovu-Gatsheni, S.J. (Ed.) *Joshua Mqabuko Nkomo of Zimbabwe: History, Politics, Power, Memory*, New York, USA: Springer International Publishing, pp. 389-403.

Chiwaura, H. (2016), “Sites that bind: Monuments, Sites and conflict resolution in Zimbabwe”, in Bhebe, N. (Ed.) *Historical perspectives on violence, conflict and accommodation in Zimbabwe*, Gweru: Midlands State University, pp. 56-92.

Chiwaura, H. (2015), “Museum practices as perpetuators of an ideology: A Zimbabwean perspective”, in Mawere, M., Chiwaura, H. and Thondhlana, T.P. (Eds.) *African Museums in the Making: Reflections on the Politics of Material and Public Culture in Zimbabwe*, Cameroon: Langaa Research and Publishing CIG, pp. 115-136.

Chiwaura, H. and Mubaya, T.R. (2014), “Legislation and management of heritage landscapes in Zimbabwe”, in Mawere, M. and Mubaya, T.R. (Eds.) *African cultures, memory and space: living the past in the presence in Zimbabwean Heritage*, Cameroon: Langaa Research and Publishing CIG, pp. 41-64.

Chabata, F and Chiwaura, H. (2014), “Memory, space and contestations in living traditions: The case of Chitungwiza chaChaminuka Shrine in Zimbabwe”, in Mawere, M. and Mubaya, T.R. (Eds.) *African cultures, memory and space: living the past in the presence in Zimbabwean Heritage*, Cameroon: Langaa Research and Publishing CIG, pp. 65-80.

Sigauke, J., Chiwaura, H. and Mawere, M. (2014), “Connoisseurs of traditional medicine: The use and efficacy of traditional medicine in pregnant women’s health care”, in Mawere, M. and Mubaya, T.R. (Eds.) *African cultures, memory and space: living the past in the presence in Zimbabwean Heritage*, Cameroon: Langaa Research and Publishing CIG, pp. 111-134.

Makuvaza, S. and Chiwaura, H. (2013), “African States Parties, Support, Constrains, Challenges and Opportunities for Managing Cultural World Heritage Sites in Africa”, in Makuvaza, S. (Ed). *The Management of Cultural Heritage Sites and Development in Africa, History, nomination processes and representation on the World Heritage List*, New York, USA: Springer, pp. 45-53.

Chiwaura, H. (2005), “The development of formal legislation and the recognition of traditional customary law in Zimbabwe’s Heritage Management”, *ICRROM CONSERVATION STUDIES*, Vol. I, pp.18-21.

JOURNAL PUBLICATIONS

Lusaka, M and Chiwaura. H. (2024), “The potential of museums and cultural heritage centres in facilitating the Sino-Malawi Diplomacy”, *Journal of Humanities*, Vol. 32, pp 43-59.

Chiwaura, H. and Naidoo, S. (2020), "Identity and Ethnicity: changing politics and appropriation of heritage in Zimbabwe", *Africa Review*, DOI: 10.1080/09744053.2020.1815506.

Chiwaura, H. and Thondhlana, T. (2017), "The legal basis for community empowerment and engagement in Zimbabwean museums: a case study of the Mutare Museum", *Dzimbahwe Journal of Multidisciplinary Research*, Vol. 1 No. 2, pp 1-13.

Thondhlana, P.T., Gwazani, R. and Chiwaura, H. (2016), "Applied archaeology, heritage management and food security: An Appraisal of indigenous agricultural practices in Zimbabwe", *Dzimbahwe Journal of Multidisciplinary Research*, Vol. 1 No1, pp.1-24.

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Duri, F. and Chiwaura, H. (2012), "Urbanism in Pre-Colonial Zimbabwe", *Dzimbahwe: Journal of Humanities and Social Sciences*, Vol. 1 No. 1, pp. 128-167.

Mawere, M., Sagiya, E.M., Mubaya, R.T., Musindo, T.T., Mtetwa, E. and Chiwaura, H. (2012), "Environment Development and Culture: The challenges of Sustainable Development on Cultural Landscapes", *Journal of Sustainable Development in Africa*, Vol. 14 No. 6, pp. 277-291.

CONFERENCE PAPERS

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Chiwaura, H. and Lusaka, M. *Reflections on culture and heritage in Malawi's education*. Paper presented at the National Conference on Arts and Culture held at Sunbird Capital, Lilongwe, from 24-25 October, 2022.

Chiwaura, H. and Lusaka, M. *Re-positioning heritage studies in the poverty eradication agenda in higher education in Malawi*. Paper presented at University Colleges Association of Malawi (UCAM) Conference held at Malawi Institute of Management, Lilongwe, from 24-25 September, 2022.

MWAYI WOYAMBA LUSAKA, PhD; MA; PGD, B.Ed.

ORCID: <https://orcid.org/0009-0005-7729-083X>

RESEARCH INTERESTS

- History
- Museums
- Heritage
- Cultural heritage tourism
- Culture and international relations

Title of PhD Thesis:

Culture, History and Politics in Malawi: The Production of National Heritage, 1964-2009.

Title of Masters' Dissertation:

Conserving Spaces of Memory and Heritage: The Complexities, Challenges and Politics of the Stone Wall Project at Bluestone –Quarry on Robben Island.

BOOK CHAPTERS

Lusaka, M. (2020), "Dividing the nation or promoting unity? Ethnic based associations and production of heritage in Malawi", in Ross, R. and Mulwafu, W. (Eds.), *Politics, Christianity and Society in Malawi: Essays in Honour of John McCracken*, Mzuzu: MZUNI Press, 372-395

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JOURNAL PUBLICATIONS

Lusaka, M. (2024), "Performing the "Tribe"? Ethnic Heritage Associations and the UNESCO 2003 Convention in Malawi", *African Historical Review*, pp.1-33. <https://doi.org/10.1080/17532523.2401671>

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Lusaka, M. (2023), "Curating the nation: Collections, ethnographic representations and heritage production at Museum of Malawi", *Cogent Arts & Humanities*, Vol. 10: 2160577. <https://doi.org/10.1080/23311983.2022.2160577>

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Lusaka, M. (2023), “Whose Museum? Collobaration and Contestation over Heritage Management at the Cultural and Museum Center Karonga in Malawi”, *Cogent Arts & Humanities*, Vo. 10 No. 1, 2243714, DOI: 10.1080/23311983.2023.2243714

Lusaka, M. (2023), “David Livingstone and Heritage Diplomacy in Malawi–Scotland Relations”, *Journal of Southern African Studies*, Vol. 49 No. 2, 265-284, DOI: 10.1080/03057070.2023.2238549

Lusaka, M. (2022), “Museums as agents for social change: collaborative programmes at the Mutare museum: by Njabulo Chipangura and Jesmael Mataga, London Routledge, 2021, ISBN 978-036721780-8”, *Museum Management and Curatorship*, Vol. 37 No. 4, pp. 449- 453.

Lusaka, M. (2017), “Memory, Oral History and Conservation at Robben’ Island's Bluestone Quarry”, *South African Historical Journal*, Vol. 69 No. 4, pp. 583 - 597.

CONFERENCE PAPERS

Lusaka, M. ‘Whose Museum? Collaboration and Contestation over Heritage Management at Cultural and Museum Center Karonga in Malawi’. Paper presented at the National Conference on Imagining Heritage, Archives and Museums: Today/Tomorrow, Cape Town, 13-15 February, 2024.

Lusaka, M. ‘A Critical and Historical Exploration of Sites of Memory of Blantyre City in Malawi’. Paper Presented at the 4th International and Interdisciplinary Conference on Spatial Methods for Urban Sustainability (SMUS) in Bangkok, Thailand from 26 to 29 July, 2024.

Lusaka, M. ‘Indigenous Knowledge Systems and Environmental Conservation in Malawi’. Paper Presented at the 6th CODESRIA Summer School: Making Knowledge Policy Relevant: The Social Sciences and Humanities role in Global Sustainable Development, Dakar/ Senegal 26-30 August 2024.

Lusaka, M. ‘The Absence of Representation of History and Heritage of Malawian Indian Community in Museums of Malawi’. Paper Presented at the Junior Scholars Workshop on Political Economy of Inequality in Africa, Lusaka, Zambia, 14th and 15th August 2024.

Lusaka, M. ‘The Cox Collection in Malawi: From Colonial Souvenirs to Objects of Nationalism’. Paper presented at Commodities in Southern African Histories Workshop. International Studies Group and Young Scholars Initiative, University of the Free State, Bloemfontein, South Africa, 4-5 September, 2024

Lusaka, M. and Chiwaura, H. *The potential of museums and cultural heritage centers in facilitating the Sino-Malawi Diplomacy*. Paper presented at SINO-Malawi Culture Exchange conference held at Golden Peacock Hotel Lilongwe from 6-8 October, 2022.

Chiwaura, H. and **Lusaka, M.** *Reflections on culture and heritage in Malawi's education*. Paper presented at the National Conference on Arts and Culture held at Sunbird Capital, Lilongwe, from 24-25 October, 2022.

Chiwaura, H. and **Lusaka, M.** Re-positioning heritage studies in the poverty eradication agenda in higher education in Malawi. Paper presented at The 3rd International Conference on Higher Education of Universities and Colleges Association of Malawi (UCAM) held at Malawi Institute of Management in Lilongwe, from 24-25 September, 2022.

Lusaka, M. and Chiwaura, H. From Department of History to Department of History and Heritage Studies: Discourse of History and Sustainable Development at Mzuzu University. Paper presented at The 3rd International Conference on Higher Education of Universities and Colleges Association of Malawi (UCAM) held at Malawi Institute of Management in Lilongwe, from 24-25 September, 2022.

Lusaka, M. Economic Empowerment as an Approach to Sustainable Heritage Conservation at Chongoni World Heritage Site in Malawi. Paper presented at 16th Conference of Pan African Archaeological Association for Prehistory and the Related Studies held in Zanzibar, Tanzania, 8 August 2022.

Lusaka, M. Memory of David Livingstone and Heritage Diplomacy in Malawi - Scotland relations. Paper presented at Promoting Zambian and Southern African Research Output: Publishing, Mentoring and Grant Writing Workshop on 26 May 2022.

Lusaka, M. The Emergence of the Discourse of Heritage in Malawi. Paper presented at Early Career Writing Workshop, Journal of Southern African Studies & Centre for Social Research, Zomba, Malawi, 16-20 July 2018.

Lusaka, M. Democracy or dividing the nation? Ethnic heritage associations and production of heritage in Malawi. Paper presented at University of the Western Cape's Center for Humanities Research Winter School, themed 'Dissensus' 11 July 2019.

Lusaka, M. Culture, History and Politics in Malawi: The Production of National Heritage 1964-2009. Paper presented at the 2016 Colloquium for the Fellows at Centre for Humanities Research, University of the Western Cape, in Cape Town, South Africa, 27 November, 2016.

Lusaka, M. and Mckew, R. A. Tale of two collections in Blantyre Malawi. Paper presented at the CODESRIA Conference on Archives of Post- Independence Africa and its Diaspora in Goree Senegal, 20-22 June 2012.

CHRISPIN MPHANDE, PhD; MA, BEd

RESEARCH INTERESTS

- Public Management and Public Policy
- Land governance
- Development Administration
- Contemporary development thinking
- Gender and Development

Title of PhD Thesis:

Land Governance in a Multilinear Descent Social among the Tonga of Nkhata Bay, Malawi.

Title of Master's Dissertation:

The socio-economic impact of estate agriculture on local communities: The case of Vizara and Kawalazi Estates in Nkhata Bay.

BOOK PUBLICATIONS

Fidler, R. and Mphande, C. (Eds.) (2024) *Gender Based Violence in Malawi: Critiquing Beliefs and Practices that Impede Gender Equality*, Mzuni Press.

BOOK CHAPTER PUBLICATIONS

Chazema, T., Tembo, M., **Mphande, C.**, Kerr, R., Nundwe, V. and Kumwenda, D. (2024), "Balancing Civil Military Relations for Democratic Development in Malawi", in Escolar-Llamazares, M.C. (Ed.), *Recent Research Advances in Arts and Social Studies, Vol. 4.*, UK: BP International, 129-147.

NyaGondwe-Fiedler, R., **Mphande, C.** and Munyenembe, R. (2024), "Introduction", in NyaGondwe-Fiedler, R. and Mphande, C. (Eds.) *Gender-Based Violence in Malawi: Critiquing Beliefs and Practices that Impede Gender Equality*, Mzuzu: Mzuni Press, pp. 8-16.

NyaGondwe-Fiedler, R., Manda, M., Mphande, C., Mhango, G., Itimu-Phiri, A. (2024), "Gender Equality and Inequality [for Students and Staff] on Mzuzu University Campus", in NyaGondwe-Fiedler, R. and Mphande, C. (Eds.), *Gender Based Violence in Malawi. Critiquing Beliefs and Practices that Impede Gender Equality*, Mzuzu: Mzuni Press, 2024, pp. 17-37.

JOURNAL PUBLICATIONS

Kumwenda, D., Kaunda, D., Tembo, M., **Mphande, C.**, Chazema, T. and Kumwenda, A. (2024), “Impact of Unethical Decision Making in Managing Disciplinary matters in public secondary schools in Malawi”, *International Journal of Education and Culture*, Vol. 9 No. 4, pp 203-212.

Kumwenda, D., Tembo, M., **Mphande, C.**, Nundwe, V., Chazema, T.A., Kaunda, D. and Ahmad, Z. (2024), “Impact of Citizens Do-It-Yourself Activities on Digital Platform of Community Policing in Malawi”, *Social Sciences*, Vol. 9 No. 3, pp.123-130.

Wanda, E., Manda, M., Kushe, J., Msiska, O., **Mphande C.**, Kamlomo, D and Kaunda, J (2017), “Using Citizens Science Approach to monitor water, sanitation and hygiene, related risks in Karonga Town”, *African Journal of Environmental Science and Technology*, Vol. 11 No. 6, pp. 304-323.

Wanda E., Manda, M., Kamlomo, D., Kushe, J. **Mphande C.**, Kaunda, J and Msiska, O. (2017), “Governing WASH for disaster risk reduction in Karonga Town, Malawi”, *International Journal of Disaster Risk Reduction*, Vol. 26, pp. 69-77.

JUDITH MWANDUMBA, MSocSc; BA(Hons); BA (Ed)

RESEARCH INTERESTS

- Humanitarian Intervention
- African Politics
- International Relations Theory
- African Conflicts

Title of Master's Dissertation:

African Solutions to African Problems: Learning from ECOMOG'S Experiences in Liberia and Sierra Leone.

JOURNAL PUBLICATIONS

Mwandumba, J.V. (2015), "Church state relations in Malawi: The Roman Catholic Church as an agent of political reform (From 1992 Until Present", *Danubius Supliment*, Vol. 33, pp. 77-92.

Mwandumba, J.V. (2013), "Children on the battlefield: A look into the use of child soldiers in the DRC conflict", *Southern Africa Peace and Security Studies*, Vol. 2 No. 2, pp. 59-71.

CONFERENCE PAPERS

Mwandumba, J.V. When Albinism threatens right to life: the plight of people living with Albinism in Malawi. Paper presented at the Humanities and Social Science Conference held at the University of Ghana, Ghana from 15 to 17 June, 2016.

BRYSON GWIYANI NKHOMA, PhD; MA; B. Ed.

ORCID: <https://orcid.org/0000-0001-7449-6959>

RESEARCH INTERESTS

- Agrarian Changes
- Gender relations
- Irrigation farming
- Labour and forced migration
- Diplomatic and International relations

Title of PhD Thesis;

Peasants, Ecology and Food Security: Food Security in the Lake Chilwa Basin of Southern Malawi, 1891-1994. University of the Free State, South Africa, 2018.

Title of Master's Dissertation:

The State and Irrigation Farming in Malawi, 1946-2002. University of Malawi, 2005.

BOOK PUBLICATIONS

Nkhoma, B.G. (2023) *Bettering their Foods: Peasant Production, Nutrition and the State, 1859-2005.* Makhanda: African Humanities Association -NSCI.

BOOK CHAPTERS

Nkhoma, B., Kayira, G. and Banda, **P.** (2022), "Pandemics, Politics and Governance: Contestations Over State Management Covid-19 in Malawi," in edited by Ross, K., Chiweza, A. and Mulwafu, W. (Eds.) *Beyond Impunity: New Directions for Governance in Malawi*, Cape Town: University of Cape Town, pp. 339-363.

Nkhoma, B. (2020), "State Power and African Agency: Peasant Food Production in Early Colonial Malawi, 1891-1920," in Ross, K., Phiri, K., Mulwafu, W. and Fiedler, K. (Eds.), *Politics, Christianity and Society in Malawi: Essays in Honour of John McCracken*, Mzuzu: Mzuni Press, pp. 116-137.

Nkhoma, B. (2020), "Ecological Change and Food Production: State Intervention into Peasant Agriculture in Colonial Malawi, 1891-1960," in Ross, K., Phiri, K., Mulwafu, W. and Fiedler, K. (Eds.), *Politics, Christianity and Society in Malawi: Essays in Honour of John McCracken*, Mzuzu: Mzuni Press, pp. 419 - 444.

Nkhoma, B. (2012), “The Politics of the 1959 State of Emergency Commemorations in Malawi, 1960 – 2009”, in McCracken, J., Phiri, K.M and Mulwafu, W.O. (Eds.), *Malawi in Crisis: The 1959 Nyasaland (Malawi) State of Emergency and its Legacy*, Zomba: Kachere, pp. 379-395.

JOURNAL ARTICLES

Zidana, R., **Nkhoma, B.G.** and V. Kasulo, (2024), “Much Efforts, Little Impact: The Politics of Public Microcredit Programs in Malawi”, *Conget Social Sciences*, Vol. 10 No. 1, pp. 1-16.

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Nkhoma, B.G. (2024), “Was the Colonial State Developmental and What were its Legacies,” *Journal of Southern African Studies*, Vol. 49 No. 4, pp. 717-718.

Nkhoma, B.G. (2023), “No Maize, No Life: Conservation, Mazie Production, and African Responses in Colonial Southern Malawi, 1920-1960,” *African Historical Review*, Vol. 54 No. 1, pp.61-84

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Nkhoma, B. G. (2022), “The ‘Malnutrition Syndrome’: African Diets, Nutrition Science, and Colonial Research in Southern Africa,” *African Historical Review*, Vol. 54 No. 2, pp. 1-12.

Nkhoma, B. (2022), “African Agricultural Production, Food Trade, and the State in Southern Malawi, 1859-1940,” *International Journal of African Historical Studies*, Vol. 55 No. 10, pp. 45-67.

Nkhoma, B. (2021), “World War II, Global Food Crisis and the Grow-More-Food Campaign in Malawi, 1939-1959,” *The Journal of Imperial and Commonwealth History*, Vol. 49 No. 5, pp. 940-963.

Nkhoma, B. (2020), “Taiwan or China? Contestations over Diplomatic Relations in Southern Africa, with Particular Focus on Malawi, 1961-2014,” *South African Historical Journal*, Vol. 72 No. 4, pp. 677-698.

Nkhoma, B. (2020), “‘We Are What We Eat’: Nutrition, African Diets and the State in Colonial Malawi, 1920s-1960,” *Journal for Southern African Studies*, Vol. 46 No. 6, pp 1219-1235.

Nkhoma, B. (2020), “The Native is the Producer of the Future’: Improving Peasant Food Production in Southern Malawi, 1859-1939,” *Journal for Southern African Studies*, Vol. 46 No. 2, pp 283-299.

Nkhoma, B. (2019), “Walking in the Footprints of the Colonial Masters: Agricultural Development and Peasant Food Production in Malawi, 1961-1994,” *Southern Journal of Contemporary History*, Vol. 44 No. 2, pp. 114-134.

Nkhoma, B., (2019), “Ecological Change, Agricultural Development and Food Production in Malawi,” *Strategic Review for Southern Africa*, Vol. 41 No. 2, pp. 99-113.

Nkhoma, B. and G. Kayira, (2016), “Gender and Power Contestations over Water Use in Irrigation Schemes: Lessons from the Lake Chilwa Basin,” *Physics and Chemistry of the Earth*, Vol. 92, pp. 79-84.

Nkhoma, B. (2013), “Competition for Malawian Labour: ‘Wenela’ and ‘Mthandizi’ in Ntcheu District, 1935-1959,” *Malawi Journal of Social Sciences*, Vol. 21, pp. 28- 46.

Nkhoma, B., (2012), “Transnational Threats: The Problem of Illegal Immigration in Northern Malawi,” *Southern African Peace and Security Studies*, Vol. 1 No. 2, pp. 29-43.

Nkhoma, B. (2011), “Irrigation Development and Its Socio-economic Impact on the Rural Communities in Malawi.” *Development Southern Africa*, Vol. 28 No. 2, pp. 209-223.

Nkhoma, B. (2011), “The Politics, Development and Problems of Small Irrigation Dams in Malawi: Experiences from Mzuzu ADD.” *Water Alternatives*, Vol. 4 No. 3, pp. 383-398.

Nkhoma, B. (2006), “Towards an African Historical Thought: Cheikh Anta Diop’s Contribution.” *Journal of Humanities*, Vol. 20, pp. 107-123

Nkhoma, B. and Mulwafu, W. (2004), “The Experience of Irrigation Management Transfer in Two Irrigation Schemes in Malawi, 1960s-2002.” *Physics and Chemistry of the Earth*, 29, pp. 1327-1333

Mulwafu, W., Chipeta, C., Chavula, G., Ferguson, A., **Nkhoma, B.G.** and Chilima, G. (2003), “Water Demand Management and Problems for Its Promotion”, *Physics and Chemistry of the Earth*, Vol. 28, pp. 787-796.

Mulwafu, W.O. and **Nkhoma, B. G.** (2002), “The Use and Management of Water in the Likangala Irrigation Scheme Complex”, *Physics and Chemistry of the Earth*, Vol. 27, pp. 834 - 44.

CONFERENCE PPAPERS

Nkhoma, B. G. Commodities in Southern African Histories: A Conceptual and Historiographical Reflection”. A Keynote Paper presented at the Commodities in Southern African Histories Workshop organised by the International Studies Group (ISG) and Young Scholars Initiative at the University of the Free State in South Africa on 4-5 September, 2024.

Nkhoma, B. G. State Power and African Agency: The Political Economy of Peasant Food Production in Colonial Malawi, 1883-1961. Paper presented at the Southern African Economic History Workshop on “Currencies, Colonial Economies and the Making of the South African State: Studying Economic History in Southern Africa”, held at the University of Witwatersrand, South Africa, 8-9 July, 2024.

Nkhoma, B. G. ‘My People are Well-Fed’: The Political Economy of the Fight Against Malnutrition in Malawi, 1961-1994. Paper presented at the Southern African Historical Society Conference on “History at the Precipice: Continuity, Change and Crises in Southern Africa, held at the University of Johannesburg, South Africa, 26-28 June, 2024.

Nkhoma, B. Malnutrition Syndrome, Colonial Sciences, and African Responses, 1920-1948. Paper presented at the JSAS and SAIPAR conference in memory of Lyn Schumaker held in Lusaka, Zambia, 16-18 August, 2023.

Nkhoma, B. Rural Farmers and the State: History, Problems and Prospects for Food Security in Malawi. Paper presented at the European Conference on African Studies ECAS 2023 *African Futures*, held at the University of Cologne in Germany from 31 May to 3 June, 2023.

Nkhoma, B. Bettering African Foods: Reinventing Agricultural Technologies and Practices in Malawi, 1859-2010. Paper presented as an International Conference on Technology and Material Culture in African History: Challenges and Potentials Research and Teaching, in Dar es Salaam, Tanzania, 4-8 January, 2023.

Nkhoma, B. State Regulation of Maize Production and Peasants’ Responses in Colonial Southern Malawi, 1920s-1960. Paper presented at the *Promoting Zambian and Southern African Research Output: Publishing, Mentoring and Grant Writing Workshop*, held in Lusaka, Zambia, 26-29 May 2022.

Nkhoma, B. Global and Local Agency: Peasants' Food Production in the Lake Chilwa Basin of Southern Malawi, 1859-1914. Paper presented at the Workshop on 'Connect the Local and Global in the 19th Century Southern and Central Africa' hosted by the International Studies Group (ISG) of the University of the Free at Solo Gracia, Bloemfontein, South Africa, 9 - 13 October, 2018.

Nkhoma, B. Land Alienation and Peasants Survival: Food Production in Zomba, Southern Malawi, 1861-1907. Paper presented at the Emerging Scholars and New Research in Southern Africa Early Career Workshop, Zomba, Malawi, 16-21 July, 2018

Nkhoma, B. Taiwan or Mainland China? Contestations Over Malawi's Diplomatic Relations, 1961-2014. Paper Presented at Ramblers Seminar, International Studies Group, University of the Free State, 6 September, 2017.

Nkhoma, B. Peasants, the State and Food Security in the Chilwa basin of Southern Malawi, 1891-1929. Paper Presented at the Young Scholars Initiative (YSI) Conference, University of the Free State, 8-9 June, 2016.

Nkhoma, B. Gender and Power Contestations over Water Use in Irrigation Schemes in Malawi: Lessons from the Lake Chilwa Basin. Paper presented at the 15th WaterNet/WAFSA/GWP-SA Symposium in Lilongwe, Malawi, 29 - 31 October, 2014.

Nkhoma, B. Ethnicity and Regional Identities in Malawi: The Case of Friends from the South in Mzuzu, 1993-2010. Paper presented at the International Conference on 'Histories and National Identities in the Global South: Rethinking the Past and Present' organized by the History Department, Chancellor College, University of Malawi, 13-15 July, 2011.

Nkhoma, B. The Politics of the 1959 State of Emergency Commemorations in Malawi, 1960 – 2009. Paper presented at the International Conference on "The 1959 Nyasaland (Malawi) State of Emergency and its Legacy" organized by the History Department, Chancellor College, University of Malawi, 10 - 12 June, 2009.

Nkhoma, B. Community Based Water Resources Management in Malawi: Some Experiences from the Lake Chilwa Basin. Paper presented at Warfsa Symposium held in Zimbabwe, 2002.

JAMU K. B. NYIRENDA, PhD; MA; B.Ed.

ORCID: <https://orcid.org/0000-0002-6594-4403>

RESEARCH INTERESTS

- Cultural and Political History
- History of identities
- Gender History

Title of PhD Thesis:

The Evolution of a Regional Identity: The Role of Ngoni and Scottish Presbyterians (Livingstonia missionaries) in Northern Malawi from the mid-1850s to 2014.

Title of Master's Dissertation:

Ngoni Culture, Missionary Christianity and the Modern State: The Case of Inkosi Mpherembe's Area, Mzimba District, Malawi, 1899-1994.

JOURNAL PUBLICATIONS

Nyirenda, J. (2021), “‘Inkosi Yetu Ngu Kamuzu Yedwa’ (Our Only King Is Kamuzu): The M’mbelwa Ngoni’s relations with Hastings Kamuzu Banda in Malawi from 1964 to 1994”, *New Contree*, No. 87, pp. 107-121.

CONFERENCE PAPERS

Nyirenda, J. A mixed bag of identities: The British indirect rule in colonial northern Malawi, 1933 to the early 1950s. Paper presented at the First Mzuzu University’s National Research Dissemination Conference from 5 June 2024 to 6 June 2024.

Nyirenda, J. The Resilience of Ngoni language and culture in the face of the western Christianity in Malawi: The case of Mpherembe Ngoni and the Livingstonia Missionaries from 1899 to 1964. Paper presented at ‘Politics, Society and Beyond: A Memorial Conference for John McCracken and Jack Thompson,’ at University of Edinburgh, Scotland on 26th April 2018.

Nyirenda, J. Ngoni Cultural Resilience in Post-Independence Malawi: The Case of Mpherembe’s Area in Mzimba District, 1964-1994. Paper presented at Geopolitics and Practices of Writing and Publishing

in Africa Workshop organised by the College of Law and Governance, Jimma University, Ethiopia from 16 May 2016 to 20 May 2016.

Nyirenda, J. and January, M. Integrating Information Communication and Technology at Domasi College of Education in Malawi: Prospects and Challenges. Paper presented at the Distance Conference organised by the Zimbabwe Open University; Zimbabwe held on 28th August 2013.

Nyirenda, J. Ngoni Culture, Missionary Christianity and the Modern State: The Case of Inkosi Mpherembe's Area, Mzimba District, Malawi, 1899-1994. Paper presented at the 23rd Biennial Conference (Kwazulu-Natal University, Howard College) organised by the *Southern African Historical Society* from 27th June 2011 to 30th June 2011.

DEPARTMENT OF INFORMATION SCIENCE

The Department of Information Science offers courses at both graduate and undergraduate levels. The course offering is tailor-made to meet the human resource needs of information centres, libraries, archives and records centres.

VISION

To become a centre of excellence in the provision of education, training and research in information science for the social, political, and economic development of individuals and communities in Malawi and beyond.

MISSION

To provide high quality education to prospective information sciences specialists planning to embark on different careers in the private and public sectors.

RESEARCH AREAS

Members of staff within the Department are involved in research that focusses on the following areas: Research data management, records management and good governance and cloud libraries and user centred information.

WINNER DOMINIC CHAWINGA, PhD; MLIS; BLIS

ORCID: <http://orcid.org/0000-0002-3865-4777>

RESEARCH INTERESTS

- Digital curation
- Social media and ICT in higher education pedagogy
- ICT4D
- Open and distance learning
- Information and competitive intelligence

Title of PhD Thesis:

Research Data Management and Digital Preservation in Universities: An Interdisciplinary Study of Medical Sciences and Humanities.

Title of Master's Dissertation:

The Use of Web 2.0 by Students and Lecturers at Mzuzu University, Malawi: The Case of the Faculty of Information Science and Communications.

BOOK CHAPTERS

Chipeta, G.T. and **Chawinga, W.D.** (2017), "Knowledge management capability in higher education: The case of lecturers at Mzuzu University, Malawi", in Gunjal, B. (Ed.), *Managing knowledge and scholarly assets in academic libraries*, Hershey, Pennsylvania, USA: IGI Global, pp. 302-333.

JOURNAL PUBLICATIONS

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Chawinga, W., Singini, W., Phuka, J., Chimbatata, N., Mitambo, C., Sambani, C. and Kambalame, D. (2023), "Combating coronavirus disease (COVID-19) in rural areas of Malawi: Factors affecting the fight", *African Journal of Primary Health Care & Family Medicine*, Vol. 15 No. 1, p.3464.

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Thindwa, T., **Chawinga, W.D.** and Dube, G. (2019), “Information-seeking behaviour of security studies students: A case study”, *South African Journal of Information Management*, Vol. 21 No. 1, pp. 1-10.

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Nyasulu, C. and **Chawinga, W.D.** (2019), “Using the decomposed theory of planned behaviour to understand university students’ adoption of WhatsApp in learning”, *E-Learning and Digital Media*, Vol. 16 No. 5, pp. 413-429.

Nyasulu, C. and **Chawinga, W.D.** (2018), “The role of information and communication technologies in the delivery of health services in rural communities: Experiences from Malawi”, *South African Journal of Information Management*, Vol. 20 No. 1, pp. 1-10.

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Chawinga, W.D. (2017), “Taking social media to a university classroom: teaching and learning using Twitter and blogs”, *International Journal of Educational Technology in Higher Education*, Vol. 14 No. 3, pp. 1-19.

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Chawinga, W. D. (2016), "Teaching and learning 24/7 using Twitter in a university classroom: Experiences from a developing country", *Learning and Digital Media*, Vol, 13 No. 11-2, pp. 45-61.

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Chipeta, G. and **Chawinga, W.D.** (2012), "An investigation on the strategies for developing and sustaining strong library associations: A case of the Malawi Library Association (MALA)", *Malawi Journal of Library and Information Science*, Vol. 1 No. 1, pp. 59-71.

CONFERENCE PAPERS

Chawinga, W.D. and Zozie, P. Using the Theory of Transactional Distance to Assess Open and Distance Education: Empirical Findings from Mzuzu University. Paper presented at Research and Innovation: A Catalyst for Sustainable Development organized by the National Commission for Science Technology in Mangochi (Malawi), 28 to 29 September, 2017.

Chawinga, W., Kanyundo, A., Dube, G. and Abdullah, H. Thriving on the power of a record: experiences from Mzuzu University. Paper presented at the Public-Sector Reforms: Transparency and

Accountability Conference organized by the National Archives of Malawi in Lilongwe (Malawi), 7 to 11 August, 2017.

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Malanga, D and **Chawinga, W.** E-records Readiness in Malawi Local Government Councils: The Case Study of Karonga Town Council. Paper presented at the Public-Sector Reforms: Transparency and Accountability Conference organized by the National Archives of Malawi in Lilongwe (Malawi), 7 to 11 August, 2017.

Mkuwira, M. and **Chawinga, W.** Blending ICT into Knowledge Management at National Archives of Malawi. Paper presented at the Public-Sector Reforms: Transparency and Accountability Conference organized by the National Archives of Malawi in Lilongwe (Malawi), 7 to 11 August, 2017.

Dube, G., **Chawinga, W.** and Kanyundo, A. Can a university library manage an archive and record centre? Weighing possibilities and impossibilities at Mzuzu University, Malawi. Paper presented at the Public-Sector Reforms: Transparency and Accountability Conference organized by the National Archives of Malawi in Lilongwe (Malawi), 7 to 11 August, 2017.

Dube, G., **Chawinga, W.** and Kanyundo, A. The media frenzy in Malawi: an opportunity or a challenge for the Anti-Corruption Bureau? Paper presented at the Public-Sector Reforms: Transparency and Accountability Conference organized by the National Archives of Malawi in Lilongwe (Malawi), 7 to 11 August, 2017.

Chawinga, W. D. and Majawa, F. Innovativeness amidst the burning of a multimillion USD Library at Mzuzu University: mayhem, interventions and lessons learned. Paper presented at the Libraries in Action: Transformation and Development Towards 2030 conference organized by the Library and Information Association of South Africa (LIASA) in Durban (South Africa), 10 to 14 October, 2016.

Chawinga, W.D. Unmasking the potential of web 2.0 in academic libraries in Malawi: empirical findings. Paper presented at the Digital Transformation and the Changing Role of Libraries and Information Centres in the Sustainable Development of Africa conference organized by Standing

Conference of Eastern Central and Southern African Libraries Association (SCECSAL) held in Swaziland, 25 to 30 April, 2016.

Kapasule, A. and **Chawinga, W.D.** Revolutionizing scholarly communications through institutional repositories: Empirical findings from a university (college) in Malawi. Paper presented at the Digital Transformation and the Changing Role of Libraries and Information Centres in the Sustainable Development of Africa conference organized by the Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL) in Swaziland, 25 to 30 April, 2016.

Abdullah, H., **Chawinga, W.D.** and Mwabumba, L. Diffusion of information/knowledge for growing forest herbs amongst traditional healers: A case of traditional healers at Ekwendeni, Malawi. Paper presented at the Digital Transformation and the Changing Role of Libraries and Information Centres in the Sustainable Development of Africa conference organized by the Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL) held in Swaziland, 25 to 30 April, 2016.

Selemani, A. and **Chawinga, W. D.** Awareness of digital rights management in academic libraries: a survey of three selected Malawian university/college libraries. Paper presented at the Digital Transformation and the Changing Role of Libraries and Information Centres in the Sustainable Development of Africa conference organized by the Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL) held in Swaziland, 25 to 30 April, 2016.

Zozie, P. and **Chawinga, W.D.** Using real-time response systems to enhance participative learning in higher education: Experiences from Mzuzu University, Malawi. Paper presented at the ICT for Development, Education and Training conference organized by the e-Learning African in Cairo, Egypt, 24 to 26 May, 2016.

Chawinga, W.D. A Decade of Formal Library and Information Science Education in Malawi: The Case of Mzuzu University. Paper presented at the Digital Transformation and the Changing Role of Libraries and Information Centres in the Sustainable Development of Africa conference organized by the International Federation of Library Associations and Institutions (IFLA) held in Cape Town South Africa, 15 to 21 August, 2015.

GEORGE CHIPETA, PhD; MLIS; BA (Hons) LIS; BA, LIS

ORCID: <https://orcid.org/0000-0001-8116-8195>

RESEARCH INTERESTS

- Information literacy
- Information behaviour
- Knowledge Management
- Library and information Science education

Title of PhD Thesis:

Knowledge sharing strategies in university libraries in Malawi.

Title of Master's Dissertation:

Teaching and learning of information literacy in Universities of KwaZulu-Natal, in South Africa and Malawi.

BOOK PUBLICATION

Chipeta, G.T. (2011) Teaching and learning of Information Literacy in Universities of KwaZulu-Natal, in South Africa and Malawi, Saarbrücken, Germany: Lambert Academic Publishing.

BOOK CHAPTERS

Chipeta, G.T. and Chawinga, W.D. (2017), "Knowledge management capability in higher education: The case of lecturers at Mzuzu University, Malawi", in Gunjal, B. (Ed.), *Managing Knowledge and Scholarly Assets in Academic Libraries*, Hershey, Pennsylvania, USA: IGI Global, pp. 302-333.

Chipeta, G.T., Mostert, J. and Jacobs, D. (2011), "Information literacy education in universities: Some southern African perspectives", in Ocholla, D.N. and Brits, J. (Eds.), *Research issues in information studies in a changing local and global environment: Some African perspectives*, Saarbrücken, Germany: Lambert Academic Publishing.

JOURNAL PUBLICATIONS

Padoni, R.A., **Chipeta, G.T.** and Chawinga, W.D. (2024), "Hybrid records management practices at M'mbelwa District Council in Malawi", *Social Sciences & Humanities Open*, Vol. 10, p.101130. <https://doi.org/10.1016/j.ssaho.2024.101130>

Chalochiwawa, R. B., Chipeta, G. T. and Phiri, A. (2024), “Web information-seeking behaviour of undergraduate students in a private university in Malawi”, *African Journal of Library, Archives & Information Science*, Vol. 34 No. 1, pp. 51-65.

Gama, L.C., Chawinga, W.D. and **Chipeta, G.T.** (2023), “Information needs and sources of health professionals in Malawi”, *Health Information and Libraries Journal*, 1-14.
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Gama L.C., **Chipeta, G.T.**, Phiri, A. and Chawinga, W.D. (2020), “Information Behaviour of Prison Inmates in Malawi”, *Journal of Librarianship & Information Science*, pp. 1-13. DOI: 10.1177/0961000620908655

Chawinga D W, Chawinga C, Kapondera S.K., **Chipeta G.T.**, Majawa, F. and Nyasulu, C. (2019), “Towards e-judicial services in Malawi: Implications for justice delivery”, *E J Info Sys Dev Countries*, Vol. 86 No. 2, e12121.
<https://doi.org/10.1002/isd2.12121>.

Phiri, A., **Chipeta, G.T.** and Chawinga, W.D. (2019), “Information needs and barriers of rural smallholder farmers in developing countries: A case study of rural smallholder farmers in Malawi”, *Information Development*, Vol. 35 No. 30, pp. 421-434.

Phiri, A., **Chipeta, G. T.** and Chawinga, W. D. (2019), “Information behaviour of rural smallholder farmers in some selected developing countries: A literature review”, *Information Development*, Vol. 35 No. 5, pp. 831-838.

Chipeta, G.T. and Chawinga, D. W. (2018), “A tracer study of Library and Information Science Graduates of Mzuzu University, Malawi”, *African Journal of Libraries, Archives and Information Science*, Vol. 28 No. 1, pp. 33-47.

Chipeta, G., Dube, G., Chawinga, W., Malemia, L. and Chaura, M. (2018), “Information-seeking behavior of first-year undergraduate students at Mzuzu University, Malawi”, *Mousaion*, Vol. 16 No. 1, pp 1-18.

Phiri, A., **Chipeta, G.T.** and Chawinga, W.D. (2019), “Information needs and barriers of rural smallholder farmers in developing countries: A case study of rural smallholder farmers in Malawi”, *Information Development*, Vol. 35 No. 3, pp. 421-434.

Nyasulu, C., Chawinga, W. and **Chipeta, G.** (2018), “A tracer study of ICT graduate students at Mzuzu University, Malawi”, *Mousaion*, Vol 36 No 3, pp 1-19.

Chawinga, W.D. and **Chipeta, G.T.** (2017), “A synergy of knowledge management and competitive intelligence: A key for competitive advantage in small and medium business enterprises”, *Business Information Review*, Vol. 34 No. 1, pp. 25-36.

Chipeta, G. and Chawinga, W.D. (2012), “An investigation on the strategies for developing and sustaining strong library associations: a case of the Malawi Library Association (MALA)”, *Malawi Journal of Library and Information Science*, Vol. 1 No. 1, pp. 59-71.

Chipeta, G.T. (2010), “Information Literacy (IL) teaching and learning: a literature review”, *Inkanyiso: Journal of Humanities and Social Sciences*, Vol. 2 No. 1, pp.21-31.

Chipeta, G., Jacobs, D. and Mostert, J. (2009), “Teaching and learning of information literacy in some selected institutions of higher learning in KwaZulu-Natal and Malawi”, *South African Journal of Libraries and Information Science*, Vol. 75 No. 1, pp.46-57.

LIMBANI CHRISPIN GAMA, MLIS; BLIS

ORCID: <https://orcid.org/0000-0003-3607-192X>

RESEARCH INTERESTS

- Scholarly publishing
- Knowledge Management
- Information Behaviour
- Social media use

Title of Master's Dissertation:

Scholarly publishing services in university libraries in Malawi.

JOURNAL PUBLICATIONS

Gama, L.C., Chawinga, W.D. and Chipeta, G.T. (2023), "Information needs and sources of health professionals in Malawi", *Health Information and Libraries Journal*, 1-14.
<https://doi.org/10.1111/hir.12507>

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Gama, LC., Chipeta, GT., Phiri, A. and Chawinga WD. (2020), "Information behaviour of prison inmates in Malawi", *Journal of Librarianship & Information Science*, Vol. 52 No. 4, pp. 1224 - 1236.

SELLINA KHUMBO KAPONDERA, PhD; MLIS; BLIS

ORCID: orcid.org/0000-0001-6686-6788

RESEARCH INTERESTS

- Telecentres
- ICT4D
- eGovernment,
- Rural information services;
- Collection development.

Title of PhD Thesis:

The Role of Telecentres in Empowering Rural Communities in Malawi.

Title of Master's Dissertation:

The use of multipurpose community telecentres and their services in Malawi. The case of Lupaso Community Telecentre.

BOOK CHAPTERS

Bitso, C., Makori, E.O. and **Kapondera, S.K.** (2020), "Research data management and scientific evidence: a strategic imperative for SDGs", in Ramutsindela, M. and Mickler, D. (Eds.) *Africa and the Sustainable Development Goals*, Cham: Springer, pp. 103-112.

JOURNAL PUBLICATIONS

Chaputula, A. H. and **Kapondera, S. K.** (2023), "Print Book and e-Book Collections in Academic Libraries in Malawi", *Collection Management*, Vol. 48 No. 4, pp. 375 - 396.

Kapondera, S.K. and Mtambo., J. (2023), "Why do people use telecentres in the age of mobile technologies? Answers from Malawi", *The Electronic Journal of Information Systems in Developing Countries*, Vol. 90 No. 2, p. e12303. <https://doi.org/10.1002/isd2.12303>

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Kapondera, S.K. and Namusanya, D.M. (2017), “Uses, benefits and challenges of using rural community telecentres as tools for development: The Case of Vikwa Community Telecentre in Kasungu, Malawi”, *Journal of Development and Communication Studies*, Vol. 5 No. 1, pp.1-21.

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CONFERENCE PAPERS

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Chawinga, C, Chawinga, W, **Kapondera, S.K.** and Majawa, F. Electronic Case Management System in the judiciary: Perspectives from the Judiciary of Malawi. Papper presented at the 23rd Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL) hosted by the Uganda Library and Information Association, April 23-29, 2018.

Lubanga, S.C., Chawinga, W.D., Majawa, F. and Kapondera, S.K. Web based student information management system in universities: experiences from Mzuzu University. Papper presented at the 23rd Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL) hosted by the Uganda Library and Information Association, April 23-29, 2018.

Chaima, M. and **Kapondera, S.K.** The usage of Khudze Multipurpose Community Telecentre in Mwanza District in Malawi. Paper presented at the IST-Africa Conference held in Windhoek, Namibia, 31 May to 2 June, 2017.

Kapondera, S.K. and Ngalande, E. Adoption of mobile technologies in Malawian academic libraries: the case of Mzuzu University Library and Learning Resources Centre. Paper presented at the Standing Conference of the Eastern, Central and Southern Africa Librarians and Institutions held in Swaziland, 25 to 29 April, 2016.

Kanyundo, A. and **Kapondera, S.K.** Relieved at last: cataloguing with LibraryThing. Paper presented at the Standing Conference of the Eastern, Central and Southern Africa Librarians and Institutions held in Swaziland, 25 to 29 April, 2016.

Kapondera, S.K. The link between telecentres and rural development in Malawi: The case of Vikwa Community Telecentre. Paper presented at the Standing Conference of the Eastern, Central and Southern Africa Librarians and Institutions held in Swaziland, 25 to 29 April, 2016.

Kapondera, S.K. The use and impact of information and communication technology on Malawian academic libraries: a case study of Mzuzu University Library. Paper presented at the 3rd International Conference on Education and Social Sciences held in Turkey, 8 to 10 February, 2016.

FISKANI NGWIRA, MLIS; BLIS; Dip. LIS

RESEARCH INTERESTS

- Integrated Library Management System
- Organization of Knowledge.
- Information resources and management in libraries
- Open Access and its impact on library resources and services
- Information Retrieval Systems (IRS)

Title of Master's Dissertation

Use of Koha integrated library system by library staff at Mzuzu University Library and Learning Resource Centre.

JOURNAL PUBLICATIONS

Chapepa, G.G., **Ngwira, F.** and Mapulanga, P. (2023), "Metadata creation practices at the Lilongwe University of Agriculture and Natural Resources library's institutional repository", *Digital Library Perspectives*, Vol. 39 No. 2, pp. 205 - 219.

Chawinga, W. and **Ngwira, F.** (2015), "The role of the Mzuzu American Corner Information Technology and Communication Centre, Malawi", *Innovation: journal of appropriate librarianship and information work in Southern Africa*, Vol. 50, pp. 20- 43.

Majawa, F. and **Ngwira, F.** (2012), "Koha Integrated Library System: Learning from experience at Mzuzu University Library and Learning Resources Centre", *Malawi Journal of Library and Information Science*, Vol. 1 No. 1, pp. 19-30.

CONFERENCE PAPERS

Chaura, M., Malemia, L. and **Ngwira, F.** Exploring the role of library and librarians in research support services: case study of Mzuzu University and learning Resources Centre, Malawi. Paper presented at the 4th Zimbabwe University Libraries Consortium held at the Imperial Resort Beach Hotel (ZULC) held at the ZESA Training Centre, Harare, Zimbabwe from 27th - 29th March 2019.

Ngwira, F. and Majawa, F. Disseminating Agricultural Information Services to Farmers for attaining Food Security in Zombwe Extension Planning Areas (EPA) in Mzuzu Agricultural Development Division (MZADD) Mzimba, Malawi. Paper presented at the 22nd Standing Conference of Eastern

Central and Southern African Libraries Association (SCECSAL) hosted by the Uganda Library and Information Association (ULIA) held at the Imperial Resort Beach Hotel, Entebbe, Uganda from 23-30 April, 2018.

Ngwira, F. Use of Koha Integrated Library System by library staff at Mzuzu University Library and Learning Resource Centre. Paper presented at the 22nd Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL) hosted by the Uganda Library and Information Association (ULIA) held at the Imperial Resort Beach Hotel, Entebbe, Uganda from 23-30 April, 2018.

Ngwira, F. and Majawa, F. Exploring use of Knowledge Management (KM) principles in the Agriculture sector: Case of Zombwe Extension Planning Areas (EPA) Mzuzu Agricultural Development Division (MZADD) Mzimba, Malawi. Paper presented at the 24th Eastern and Southern Regional Branch of the International Council on Archives (ESRABICA) held at the Bingu International Conference Centre in Lilongwe from 7 to 11 August 2017.

Ngwira, F. and Majawa, F. Data Curation Needs of Researchers at Mzuzu University. Paper presented at the 22nd Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL) hosted by the Swaziland Library and Information Association (SWALA), held at the Convention Centre, Royal Swazi Sun, eZulwini, Swaziland from 25-30 April, 2016.

Ngwira, F. and Simbeye, W. The Role of National Library Service in Promoting the E-Government in Malawi. Paper presented at the 22nd Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL) hosted by the Swaziland Library and Information Association (SWALA), held at the Convention Centre, Royal Swazi Sun, eZulwini, Swaziland from 25-30 April, 2016.

Ngwira, F. Benefits of using KOHA in cataloguing of library materials: Study of Mzuzu University Library and Learning Resources Centre and National Library Services. Paper presented at the 21st Standing Conference of Eastern Central and Southern African Libraries Association (SCECSAL). Hosted the Malawi Library Association (MALA) held in Lilongwe from July 28-1 August, 2014.

RHODRICK ANDREW PADONI, MLIS; BLIS

ORCID: <http://orcid.org/0000-0001-9168-6375>

RESEARCH INTERESTS

- Records and Archives Management
- Information seeking behavior
- Management of electronic resources

TITLE OF MASTER'S DISSERTATION:

Records management practices at M'mbelwa District Council in the Northern Region of Malawi.

JOURNAL PUBLICATIONS

Padoni, R.A., Chipeta, G.T. and Chawinga, W.D. (2024), "Hybrid records management practices at M'mbelwa District Council in Malawi", *Social Sciences & Humanities Open*, Vol. 10, p.101130. <https://doi.org/10.1016/j.ssaho.2024.101130>

AUSTINE PHIRI, MLIS; BLIS

ORCID: <https://orcid.org/0000-0002-0425-8565>

RESEARCH INTERESTS

- Records management
- Archives management
- Data management
- Digital librarianship
- Information literacy

Title of PhD Thesis (ongoing):

Framework for Preservation of Medical Records in Selected Public Healthcare Facilities in Malawi.

Title of Master's Dissertation:

Information Behavior of Rural Smallholder Farmers in Zombwe Extension Planning Area in Mzimba North, Malawi.

BOOK CHAPTER

Phiri, A. (2021), "Information for Sustainable Development in Africa", in de Salvo, P. (Eds.) Rural Development, London: Intech Open.

JOURNAL PUBLICATIONS

Chalochiwawa, R. B., Chipeta, G. T. and **Phiri, A.** (2024), "Web information-seeking behaviour of undergraduate students in a private university in Malawi", *African Journal of Library, Archives & Information Science*, Vol. 34 No. 1, pp. 51-65.

Phiri, A. and Mwale, G. (2022), "Establishment of Malawi Institute of Procurement and Supply Library and Learning Resources Center: Challenges and Opportunities", *SAGE Open*, Vol. 12 No. 3, 21582440221119482.

Phiri, A., Chipeta, G. T. and Chawinga, W. D. (2019), "Information behaviour of rural smallholder farmers in some selected developing countries: A literature review", *Information Development*, Vol. 35 No. 5, pp. 831- 838.

Phiri, A., Chipeta, G. and Chawinga, W. (2018), “Information needs and barriers of rural smallholder farmers in developing countries: A case study of rural smallholder farmers in Malawi”, *Information Development*, Vol. 35 No. 3, pp. 421- 434.

CONFERENCE PAPERS

Phiri, A. An Assessment of accreditation of library and information science programmes in Malawi. Paper presented at the SCECSAL XXVI Conference, April 2024, in Mombasa, Kenya.

Ngwira, F., Mapulanga, P., Chaputula, A., Chapepa, G.G. and **Phiri, A.** Adoption of Library Discovery Systems in Academic Libraries in Malawi. Paper presented at the MALA-DIS Research Dissemination Conference, May 2024, in Mangochi, Malawi.

Phiri, A. and Rodriques, A. Framework for the preservation of medical records in selected public healthcare facilities in Malawi. Paper presented at the MALA-DIS Research Dissemination Conference, May 2024, in Mangochi, Malawi.

Cham'mudzi, R. and **Phiri, A.** Improving access to information through library marketing in a private university in Malawi. Paper presented at the Mzuzu University Research Dissemination Conference, held in Mzuzu, Malawi, 5-6 June, 2024.

Chimberenga, E. and **Phiri, A.** Support for smallholder farmers with climate change information in Rumphi District: Role of Bolero Agriculture Resource Centre Paper presented at the Mzuzu University Research Dissemination Conference, held in Mzuzu, Malawi, 5-6 June, 2024.

Kalindang'oma, M., Chipeta, G., Phiri, and Chawinga, W.D. Rediscovering the role of information professionals in knowledge management and knowledge economy in Malawi. Paper presented at the Standing Conference of Eastern, Central and Southern African Libraries Association (SCECSAL 2020) held in Windhoek, Namibia from 8-12 February, 2021.

Chipeta, G. T., Chawinga, W. D. and **Phiri, A.** Rediscovering the Role of Information Professionals in Knowledge Management and Knowledge Economy in Malawi. Paper presented at the Standing Conference of Eastern, Central and Southern African Libraries Association (SCECSAL 2020) held in Windhoek, Namibia from 8-12 February, 2021.

Phiri, A., Chipeta, G. T. and Chawinga, W. D. Agricultural Information for Sustainable Smallholder Agricultural Development in Malawi. Paper presented at the National Commission for Science and

Technology (NCST) National Research Dissemination Conference, held in Mangochi, Malawi, 18 - 20 November, 2020.

Phiri, A., Chipeta, G. T. and Chawinga, W. D. Information Seeking Behaviour of Rural Smallholder farmers in Malawi. Paper presented at the Information Behavior Conference, Krakow, Poland. 9-11 October 2011.

Selemani, A., Phiri, A. and Chawinga, W. (2016). Awareness of Digital Rights Management in Academic Libraries: A survey of three selected Malawian University/College Libraries. Available at: https://www.scecsal.org/publications/papers2016/023_selemani_2016.pdf.

DEPARTMENT OF LANGUAGE, CULTURAL AND CREATIVE STUDIES=

The Department of Language, Cultural and Creative Studies is one of the earliest and largest academic departments at Mzuzu University. Members of staff within the department have attained various specialties within the broad disciplines of linguistics, literature and French.

RESEARCH ACTIVITIES

Members of staff within the Department of Languages and Literature undertake research activities in the fields of bilingualism, multilingualism, sociolinguistics, theatre and development, culture, phonetics of Malawian languages, forensic linguistics, functional linguistics, morpho-syntax and language variation. Profiles of staff and their research output are listed below.

AGNESS CHIMANGENI CHALIWA HARA, PhD; MA; BA

ORCID: <https://orcid.org/0000-0003-1804-8144>

RESEARCH INTERESTS

- Text comprehension
- Language acquisition and learning
- Bilingualism
- Multilingualism
- Sociolinguistics-related topics

Title of PhD Thesis:

Text Comprehension in Multilingual Children: Mental Representation and Narrative Text Structure.

Title of Master's Dissertation:

Code-Mixing in Simultaneous Language Acquisition.

BOOK CHAPTERS

Hara, A. C. C., and Harushimana, I. (2024), "Language choice, attitudes, and identity issues among non-Chichewa native speakers: A case of Mzuzu University students in Malawi", in Kondowe, W., Kamanga, C. M., and Madula, P. (Eds.), *Multilingualism in Southern Africa: Issues and Perspectives*, New York: Routledge, pp. 252-267.

Hara, A. C. C., and Lusekelo, A. (2024), "Multilingualism in the linguistic landscape of Karonga District in Northern Malawi", in Kondowe, W., Kamanga, C. M., and Madula, P. (Eds.), *Multilingualism in Southern Africa: Issues and Perspectives*, New York: Routledge, pp. 290-308.

Harushimana, I. and **Hara, A. C. C.** (2022), "Gaps in English teacher preparation and English-only curriculum implementation in Malawi schools", in Sunal, C., Odebiyi, O.M. and Mutua, K. (Eds.), *Effects of government mandates and policies on public education in Africa, the Caribbean, and the Middle East*, Charlotte, NC: Information Age Publishers, pp.71-96.

JOURNAL PUBLICATIONS

Kavute, C. and **Hara, A. C. C.** (2022), "An examination of common errors in essays written by secondary school students in Malawi: Some implications for teaching", *Journal of Law and Social Sciences*, Vol. 5 No. 1, pp. 52-68.

Mbale, G. and **Hara, A. C. C.** (2022), “Examining challenges that affect the implementation of the national reading programme by teachers: A case of selected schools in Malawi”, *Journal of Law and Social Sciences*, Vol. 4, No. 3, pp. 45-64.

Hara, A. C. C. (2020), “Inclusion or exclusion? Critical needs of hearing-impaired learners during an English reading comprehension lesson”, *Journal of Law and Social Sciences*, Vol. 4, No. 1, pp. 41-53.

Hara, A. C. C. (2020), “An exploratory study of language use and preferences among nursing lecturers and students at Mzuzu University in Malawi”, *Journal of Law and Social Sciences*, Vol. 3, No. 1, pp. 178-198.

Hara, A. and Tappe, H. (2016), “Inference generation and text comprehension in bilingual children: A case study”, *Literator - Journal of Literary Criticism, Comparative Linguistics and Literary Studies*, Vol. 37 No. 2, pp. 1-12.

Tappe, H. and **Hara, A.** (2013), “Language specific narrative text structure elements in multilingual children”, *Stellenbosch Papers in Linguistics Plus*, Vol. 42, pp. 297-331.

CONFERENCE PAPERS

Hara, A. C. Lexicalisation patterns in Chichewa stories narrated by L1 children. Paper presented at the 9th International Conference on Bantu Languages held at Mount Soche Hotel, Blantyre, Malawi, 7 to 11 June, 2022.

Hara, A. C. Language choice, attitudes and identity issues among non-Chichewa native students at Mzuzu University. Paper presented at the 15th Linguistic Association of SADC Universities (LASU) Conference held at University of Zambia, Zambia, 5 to 7 August, 2019.

Hara, A. C. Exploring language use by lecturers of multilingual nursing students. Paper presented at the 15th Linguistic Association of SADC Universities (LASU) Conference held at University of Zambia, Zambia, 5 to 7 August, 2019.

Hara, A. C. Pragmatic functions of demonstratives in [re]tellings by Malawian bilingual children. Paper presented at the SAALT/SALALS Joint Annual conference held at University of Pretoria, South Africa, 30 June to 4 July, 2019.

Hara, A. C. Foregrounding repetition in [re]tellings by Malawian bilingual children. Paper presented at the SAALT/SALALS Joint Annual Conference held at University of Pretoria, South Africa, 30 June to 4 July, 2019.

Hara, A. and Tappe, H. Of coherence and cohesion in stories told by African children. Paper presented at 14th Linguistic Association of SADC Universities (LASU) Conference, Chancellor College, Zomba, Malawi, 14 to 15 September, 2017.

Hara, A. Experiences of English teachers when teaching learners with hearing impairment reading comprehension. Paper presented at National Research Dissemination Conference, Mangochi, Malawi, 28 to 29 September, 2017.

Hara, A. and Tappe, H. Implicit information and text comprehension in multilingual children: A case study. Paper presented at a Conference held at the Potchefstroom Campus, North-West University, South Africa, 24 to 26 June, 2015.

Tappe, H. and **Hara, A.** Language specific narrative text structure elements in multilingual children. Paper presented at the Language: policy, planning, practice and principles conference held at Stellenbosch, Western Cape, South Africa, 1 to 4 July, 2013.

WELLMAN KONDOWE, PhD; MA; B Ed

ORCID: <https://orcid.org/0000-0002-2500-4580>

RESEARCH INTERESTS

- Political Discourse Analysis
- Text Linguistics
- Forensic Linguistics
- Functional Linguistics
- Bantu Linguistics

Title of PhD thesis:

Insincerity and the Principle of Believability in Malawian Criminal Courtroom Trial: An Inquiry into Forensic Discourse.

Title of Master's Dissertation:

Political Discourse Analysis: Systemic Functional Study of Bingu wa Mutharika Inauguration Addresses.

BOOK PUBLICATION

Kondowe, W., Kamanga, C.M.M. and Madula, P. (Eds.) (2024) *Multilingualism in Southern Africa: Issues and Perspectives*, New York: Routledge.

BOOK CHAPTERS

Lwara, E., **Kondowe, W.** and Ndalama-Mtawali, D. (2024), "Entrenching effective multilingualism in Malawian courtrooms through interpreting services: What do we learn from the 2019 Presidential Elections Case?" in Kondowe, W., Madula, P. and Kamanga, C. M. M. (Eds.), *Multilingualism in Southern Africa*, New York: Routledge, pp. 122-142.

Svongoro, P., and **Kondowe, W.** (2024), "An evaluation of Zimbabwe's advancements in the field of judicial interpreting in multilingual courtrooms", in Kondowe, W., Madula, P. and Kamanga, C. M. M. (Eds.), *Multilingualism in Southern Africa*, New York: Routledge, 143-162.

Kondowe, W., Ngwira, F.F. and Labanna, D. (2023), "Unintended Mental Health Consequences of Media Framing During COVID-19", in Ndasauka, Y. (Ed.), *Covid-19 and Psychological Distress in Africa: Communitarian Perspectives*, New York: Routledge, 89-100.

Kondowe, W. and Mtanga, G. (2023), “Interruptions as Linguistic Whistles: An Examination of the Language of Judges in Malawian Courtroom Discourse”, in Kaschula, R.H., Ralarala, M.K. and Heydon, G. (Eds.), *Language, Crime and the Courts in South Africa and Beyond*, Stellenbosch: Sun Press. 33-50.

Kondowe, W. (2022), “Towards the Principle of Believability: A New Socio-Pragmatic Model in Forensic Settings”, in Ralarala, M. K., Kaschula, H. R. and Heydon, G. (Eds.), *Language and the Law: Perspectives in Forensic Linguistics from Africa and Beyond*, Stellenbosch: Sun Press, pp 259-276.

Kondowe, W., Liao, M. and Ngwira, F.F. (2022), “A Study of Intentional Insincerity in Malawian Criminal Justice: Witnesses’ Discursive Strategies”, in Ralarala, M. K., Kaschula, H. R. and Heydon, G. (Eds.), *Language and the Law: Perspectives in Forensic Linguistics from Africa and Beyond*, Stellenbosch: Sun Press, pp. 239-258.

JOURNAL PUBLICATIONS

Svongoro, P. and **Kondowe, W.** (2024), “Forms of translanguaging in Zimbabwe’s classrooms: Are the practices useful or useless in the teaching and learning of STEM subjects?” *African Perspectives of Research in Teaching and Learning* (APORTAL), Vol. 1 No. 8, pp. 10 - 22.

Ngwira, F.F. and **Kondowe, W.** (2024), “The role of social support in predicting intercultural adjustment among Malawian international graduates in China”, *Journal of Humanities*, Vol. 32 No. 2, pp. 61-85.

Kondowe, W. (2023), “Insincerity in lawyers’ questioning strategies in Malawian criminal courtroom discourse”, *Text & Talk* (aop). <https://doi.org/10.1515/text-2022-0083>

Kondowe, W., Ngwira, F.F. and Chibambo, M. (2020), “A study of metaphor used for Bingu wa Mutharika and Peter Mutharika as Presidents of Malawi and the impact on their political legacy”, *International Journal of Applied Linguistics & English Literature (IJALEL)*, Vol. 9 No. 2, pp. 61- 68.

Kondowe, W. and Ngwira, F.F (2019), “Projecting voice in political discourse: A study of Saulos Klaus Chilima’s discursive strategies, Malawi”, *Theory and Practice in Language Studies*, Vol. 9 No. 5, pp. 500-550.

Gamage, U.P. and **Kondowe, W.** (2019), “A pragmatic study of humour in *Udurawana*’s Joke Stories of Sri Lanka: Implications for second language teaching and learning”, *Theory and Practice in Language Studies*, Vol. 9 No. 7, pp. 762-768.

Chiyembekezo, R., **Kondowe, W.** and Ngwira, F.F. (2019), “Teaching English speaking skills to L2 students using Role–Play Method: What do teachers in Malawi say?” *Researchers World-Journal of Arts, Science & Commerce*, Vol. 10 No. 1, pp. 12-20.

Kizito, E. and Kondowe, W. (2017), “Examining the Impact of Questions and Questioning Techniques in Malawian Magistrate Courts: A Critical Discourse Analysis Approach”, *Journal of Arts, Science & Commerce*, Vol. 8 No. 4, pp. 133-141.

Chibambo, M.I. and **Kondowe, W.** (2017), “Are peerless e-resources any better tools for supporting students in open and distance learning environments than the more traditional tools? The case of Mzuzu University, Malawi”, *Researchers World Journal of Arts, Science and Commerce*, Vol. 8 No. 3, pp. 126138.

Ngwira, F.F., Gu, C., Mapoma, H.W.T. and **Kondowe, W.** (2017), “The role of academic emotions on medical and allied health students’ motivated self-regulated learning strategies”, *Journal of Contemporary Medical Education*, Vol. 5 No. 1, pp. 23 – 29.

Manda, M., **Kondowe, W.**, Ngwira, F.F. and Kishindo, L. (2016), “An Analysis of Verbal Extensions in Malawian Tonga: Towards Mirror Principle and Templatic Morphology”, *International Journal of Linguistics*, Vol. 8 No. 4, pp. 66-82.

Ngwira, F.F., Mapoma, H.W.T., Jianzhong, H.O.N.G., Sariyo, S. and **Kondowe, W.** (2015), “Intercultural Communication Competence and Acculturation among International Students in Central China”, *Intercultural Communication Studies*, Vol. 24 No. 2, pp. 61-83.

Kondowe, W. (2014), “Hedging and Boosting as Interactional Metadiscourse in Literature Doctoral Dissertation Abstracts”, *International Journal of Language Learning and Applied Linguistics World*, Vol. 5 No. 3, pp. 214-221.

Kondowe, W. (2014), “Presidents and Ideologies: A Transitivity analysis of Bingu wa Mutharika’s Inaugural Address”, *International Journal of Language and Linguistics*, Vol. 2 No. 3, pp. 174-180.

Kondowe, W. (2014), “Interpersonal Metafunctions in Bingu wa Mutharika’s Second-Term Political Discourse: A Systemic Functional Grammatical Approach”, *International Journal of Linguistics*, Vol. 6 No. 3, pp. 70-84.

Kondowe, W., Ngwira, F.F. and Madula, P. (2014), “Linguistic Analysis of Malawi Political Newspaper Cartoons on President Joyce Banda: Towards Grice’s Conversational Implicature”, *International Journal of Humanities and Social Sciences*, Vol. 47 No. 1, pp.40-51.

CHIMWEMWE MAYINDE MYSTIC KAMANGA, PhD; MA; BA (Ed)

ORCID: <http://orcid.org/0000-0002-4623-7658>

RESEARCH INTERESTS

- The teaching of English as a second language
- Language acquisition and language learning
- Language and meaning
- Language contact
- Contact induced language change

Title of PhD Thesis:

A descriptive analysis of Chibrazi, the urban contact vernacular language of Malawi: A focus on the lexicon and semantic manipulation.

Title of Masters Dissertation:

Meaning in “neaming”: The Processing of word puns involving morphological and syntactic transposition.

BOOK PUBLICATIONS

Kondowe, W., **Kamanga, C.M.M.** and Madula, P. (Eds.) (2024) *Multilingualism in Southern Africa: Issues and Perspectives*, New York: Routledge.

Zulu, M., Kamanga, C.M.M. and Mwale, M. (2009) *Poems from the Heart*, Blantyre: Malawi Writers Union.

BOOK CHAPTERS

Kamanga, C.M.M. and Madula, P. (2024), “Multilingualism and the evolution of new language repertoires in Africa: Common features that Chibrazi of Malawi shares with other urban contact vernacular languages of Africa”, in Kondowe, W., Madula, P. and **Kamanga, C. M. M.** (Eds.), *Multilingualism in Southern Africa*, New York: Routledge, pp.183-199.

Kamanga, C.M.M. (2014), “JET’s Approach to Teacher Development”, in Khosa, G. (Ed.), *Systemic School Improvement in South Africa: Some Lessons from Development Practitioners*, Johannesburg: JET Education Services, pp. 21- 29.

Kamanga, C.M.M. (2014), “Teacher Development in the GET Band”, in Khosa, G. (Ed.), *Systemic School Improvement in South Africa: Some Lessons from Development Practitioners*, Johannesburg: JET Education Services, pp. 31- 39.

Kamanga, C.M.M. (2009), “Joys and Pitfalls of Multiple Language Acquisition: The Workings of the Mind of a Simultaneous Multilingual”, in Todeva, E. and Cenoz, J. (Eds.), *Multiple Realities of Multilingualism*, Berlin: Mouton De Gruyter, pp. pp.115-134.

JOURNAL PUBLICATIONS

Kamanga, CM.M. (2019), “A descriptive analysis of Chibrazi, the urban contact vernacular language of Malawi: A focus on the lexicon and semantic manipulation”, *Journal of the Linguistics Association of Southern African Development Community (SADC) Universities*, Vol. 5 No. 5, pp. 19 - 30.

Kamanga, C.M.M. (2014), “Who speaks Chibrazi, the urban contact vernacular of Malawi?” *Language Matters: Studies in the Languages of Africa*, Vol. 45 No. 2, pp. 257- 275.

CONFERENCE PAPERS

Kamanga, CM.M. Perceptions about the nature of the urban contact vernacular language of Malawi: A semantic analysis of its glossonyms. A paper presented at the Ninth International Conference for Bantu Languages held at the Malawi University of Science and Technology in Blantyre from 7 to 10 June 2022.

Kamanga, CM.M. Unlocking the poets in teachers of English First Additional Language: Lessons from personal involvement in continuous professional teacher development projects. Paper presented at the JSADTU First International Annual Conference, 2019.

Kamanga, CM.M. Metaphoric manipulation in the creation of Chibrazi lexicon: focus on semantic manipulation. Paper presented at the Twentieth International Conference of Linguistics, Uptown Convention Centre, Cape Town, July 2 - 6, 2018.

Kamanga, CM.M. A descriptive analysis of Chibrazi, the urban contact vernacular language of Malaŵi: A focus on the lexicon and semantic manipulation. Paper presented at the Fifteenth Linguistics Society of Southern Africa. University of Malawi, Chancellor College, Zomba, 14 -15 September, 2017.

Kamanga, CM.M. Why is it that they are going away from the mainstream? Flagging the implications of Chibrazi for education in Malawi. Paper presented at the Human and Social Dynamics (HSD)

Research Seminar on ‘Researching youth languages in Africa, University of Cape Town, Cape Town, 2017.

Kamanga, CM.M. The origins of Chibrazi, the urban contact vernacular language of Malawi. Paper presented at the African Urban and Youth Languages Conference, Kenyatta University, Nairobi, 2015.

Kamanga, CM.M. The contribution that parents and community members can make towards teaching and learning in South African rural schools. Paper presented at the Community Engagement Symposium, University of the North West, Vaal Triangle, 2015.

Kamanga, CM.M. Challenges facing continuous professional teacher development in rural South African Schools. Paper presented at the International Conference of the Education Management Association of South Africa, Durban, 2014.

Kamanga, CM.M. Who speaks Chibrazi, the urban contact vernacular language of Malawi? Paper presented at the African Urban and Youth Languages Conference, University of Cape Town, Cape Town, 2013.

SERAH NAMULISA KASEMBELI, PhD; MA; BEd

ORCID: <https://orcid.org/0000-0001-6430-6832>

RESEARCH INTERESTS

- Indian Ocean Slave Histories, Narratives and cultures
- Slave Trauma in literature and culture
- Continuities of slave and colonial pasts in literature and cultures
- Epistemic Disobedience

Title of PhD Thesis:

The Ghost of Memory: Literary Representations of Slavery in Post-Apartheid South Africa.

Title of Master's Dissertation:

Water but Wine

BOOK CHAPTER

Kasembeli, S.N. and Kamanga, N. C. (2022), "Contestations of Herbal Remedies on Covid-19 in Africa", in Machingura, F., Chazovachii, B. and Mawere, M. (Eds.) *Covid-19 and the Dialectics of Global Pandemics in Africa: Challenges, Opportunities and the Future of the Global Economy*, Langa RPCIG, pp. 68-95.

JOURNAL PUBLICATIONS

Kasembeli, S.N. (2023), "Routledge Handbook of African Popular Culture, edited by Grace A. Musila: Routledge. 2022. pp. 498

Kasembeli, S.N. (2022), "Stereotypes and the Ambiguities of Humour in Kenya: The Churchill Show", *Journal of African Cultural Studies*, Vol. 34 No. 2, pp. 173–185.

Coetzee, C., Kasembeli, S. and Manuel, S. (2022), "Slow Research and Peer Support: An Alternative Model of Networking", *Journal of African Cultural Studies*, Vol. 34 No. 1, pp. 1-3.

Kasembeli, S.N. (2021), "Cape Littoral colonial constructions of barrenness and desire in Therese Benadé's *Kites of Good Fortune* and Rayda Jacobs's *The Slave Book*", *Social Dynamics*, Vol. 47, No. 2, pp.297-311.

Kasembeli, S.N. (2020), “The South African Student #Fallist Movements: Xenophobia and the Impossibility of Including the African ‘Other’”, *Journal of African Cultural Studies*, Vol. 32, No. 3, pp. 316-331.

Kasembeli, S.N. (2018), “Of Oceanic Crossings and Discordant Cultural Adaptations in Post- apartheid Neo-slave Narration”, *Eastern African Literary and Cultural Studies*, Vol. 4 No. 3 & 4, pp. 244–258.

JOSHUA ISAAC KUMWENDA, PhD; MA; BA (Ed)

RESEARCH INTERESTS

- Politics of narrating the nation
- The African novel
- Poetics of orality and intertextuality in Africa
- Language policy in postcolonial Africa

Title of PhD Thesis:

Politics of narrating the Malawian nation in Legson Kayira's novels and autobiography.

Title of Master's Dissertation:

The role of oral tradition and socio-political history in the contemporary Malawian novel: The case of James Ng'ombe's Sugarcane with Salt and Madala's Children.

BOOK PUBLICATIONS

Banda, T. and Kumwenda, J.I. (eds) (2013) *Reading Malawian Literature: new approaches and theories*, Mzuzu: Mzuzu University Press.

JOURNAL PUBLICATIONS

Kumwenda J.I. (2018), "The role of the surreal in postcolonial African writing: The case of Legson Kayira's Jingala and the Detainee", *Matatu: Journal for African Culture and Society*, Vol. 50, pp. 152-186.

Kretzer M. and Kumwenda J.I. (2016), "Language policy in Malawi: A study of its contexts, factors for its development and consequences", *Marang: Journal of Language and Literature*, Vol 27, pp. 20 - 38.

Kumwenda, J.I. (2014), "Social media, ethics and development in the postmodernist Malawian society", *Journal of Development and Communication Studies*, Vol. 3 No. 1, pp.17-23.

Kumwenda, J.I. (2013), "The postcolonial African novel as a metanarrative of the myth of the nation-state: a study of James Ng'ombe's novels", *Marang: Journal of Language and Literature*, Vol. 23, pp. 115-127.

CONFERENCE PROCEEDING

Kumwenda, J.I. (2013), “When two worlds collide: a comparative study of narrative devices and techniques employed by old and young generation Malawian writers”, in: Banda, T. and Kumwenda, J.I. (eds) *Reading Malawian Literature: new approaches and theories*, Mzuzu: Mzuzu University Press.

CONFERENCE PAPERS

Kumwenda, J.I. The postcolonial African novel as a metanarrative of the myth of the nation-state. Paper presented at the University of Botswana, 12-14th July, 2012.

Kumwenda, J.I. When two worlds collide: a comparative study of narrative devices and techniques employed by old and young generation Malawian writers. Paper presented at Mzuzu University, 20th September 2012.

Kumwenda, J.I. Re-thinking nationalism in the postcolonial African novel: Chinua Achebe versus Legson Kayira’s perspective. Paper presented at the African Literature Association (ALA) conference, Bayreuth University, Germany, 3-6th June, 2015.

Kumwenda, J.I. Culture and the pitfalls of national language in Malawi. Paper presented at Justus Liebig University – Giessen, Germany, 1st June 2015.

PRECIOUS LUNGU, MA

RESEARCH INTERESTS

- Community translation
- Urban youth language discourse
- Indigenous language in Translation
- Language and culture in contemporary times

Title of Master's Dissertation:

Describing Translation Procedures Used in Rendering Stage Directions in “Waiting for Godot”.

EVANS LWARA, MA; BA; UCE

ORCID: <https://orcid.org/0000-0003-0932-8056>

RESEARCH INTEREST

- Translation studies
- Lexicography and terminology
- Language and development
- Theoretical and Practical aspects of the grammar of Malawian languages
- General issues in (language) education

Title of Master's Dissertation:

Translation of climate change technical terms into Chichewa: An inquiry into common practices in Malawi.

BOOK CHAPTERS

Lwara, E., Kondowe, W. and Ndalama-Mtawali, D. (2024), "Entrenching effective multilingualism in Malawian courtrooms through interpreting services: What do we learn from the 2019 Presidential Elections Case?" in Kondowe, W., Madula, P. and Kamanga, C. M. M. (Eds.), *Multilingualism in Southern Africa*, New York: Routledge, pp. 122-142.

JOURNAL PUBLICATIONS

Lwara, E. and Ndalama, D. (2020), "Translating Sustainable Development Goals into Chichewa: A quick efficacy assessment", *International Journal of Linguistics, Literature and Translation*, Vol. 3 No. 5, pp. 130-138.

CONFERENCE PAPERS

Lwara, E. Lexicographic gaps in textbook glossaries: A focus on senior primary school textbooks in Malawi. Paper presented at the National Education Conference on School and College Curricula and Assessment Review, Sunbird Nkopola Lodge, Mangochi, Malawi, 22-24 April, 2024.

Lwara, E. Definition of terms in Selected Malawian Statutes: A lexicographic perspective. Paper presented at the 27th International AFRILEX Conference, University of the Free State, Bloemfontein, South Africa, 26-29 September, 2023.

Lwara, E. and Masina Y. Interpreting tag question into Chichewa during legal cross-examination. Paper presented at the 5th International Legal Linguistics Workshop (ILLWS22), University of Western Cape, South Africa, 10-11 December, 2022.

Lwara, E. Morphosyntactic variability of Ciyawo idiomatic expressions. Paper presented at the Linguistics Experience in Malawi (LIME) Field School in Zomba Jointly organised by the University of Malawi and Leiden University from 13 June to 2 July 2022.

Lwara, E. An Application of Keiran J. Dunne's defective terminology to the analysis of COVID-19 terminologies in Chichewa. Paper presented at the 25th International Conference of the African Association of Lexicography (AFRILEX) organised by the Stellenbosch University, South Africa [online]., 29-30 July 2021.

Lwara, E. Factors limiting the development of writing and publishing in indigenous African languages: a pragmatic discussion using the ecological metaphor. Paper presented at the 5th Pan African Writers' Symposium (PAWS) held in Lilongwe, 3-5 October, 2018.

WILLIAM MAULIDI, MSc; MIP; BA (Ed)

RESEARCH INTERESTS

- Intellectual Property Law
- Innovation
- Entrepreneurship
- Technology Transfer
- Technology Commercialisation
- Artificial Intelligence

Title of PhD Thesis (ongoing)

Legal Issues Impacting University-Industry Technology Transfer and Commercialisation in Malawi.

Title of Master's Dissertation

Dissertation 1:

Assessing the viability of using music recognition technologies in tracking music plays on broadcasting stations in Malawi: The case of MBC Radio 2 FM.

Dissertation 2:

The study on the extent to which digital environment has contributed to music piracy in LDCs: The case of Malawi.

JOURNAL PUBLICATIONS

Maulidi, W. (2021), "The Impact of the Extensions of Pharmaceutical Transition Period for African LDCs on the Implementation of TRIPS: The case of Malawi", *Journal WIPO-WTO Colloquium Papers, African Edition*, 2018, Vol 9 No. 2, pp. 80-90.

Maulidi, W. (2018), "Digital Environment and Copyright Infringement in Malawi", *African Journal of Intellectual Property*, Vol 3 No 1, pp. 61-73.

CONFERENCE PAPERS

Maulidi, W. The role of Intellectual Property in fostering Technology Transfer in Malawi. Paper presented the WIPO-South Africa Advanced Summer School on Intellectual Property and Technology Transfer at the University of Limpopo in Polokwane, South Africa, 21st Novemebr-3rd December, 2022.

Maulidi, W. Right to Culture and Artistic Freedom: Digital Platforms and Intellectual Property in the Age of Globalisation. Paper presented the National Conference on Arts and Culture at Sunbird Capital Hotel in Lilongwe, 24th to 25th October, 2022.

Maulidi, W. Role of Intellectual Property Rights in Promoting Innovation in Africa. Paper presented at the Consultative meeting on enhancing the domestication of Science, Technology & Innovation, and Strategy for Africa (STISA 2024) at Crossroads Hotel, Lilongwe, June 9-11, 2021

Maulidi, W. Assessing the viability of using music recognition technologies in tracking music plays on broadcasting stations in Malawi. Paper presented at the Conference of the South African Association of Intellectual Property Law and Information Technology Law Teachers and Researchers (AIPTIL), hosted by SARchi Research Chair in Intellectual Property, Innovation and Development and the Intellectual Property Unit, University of Cape Town, 1-2nd July, 2020.

Maulidi, W. Teaching Intellectual Property beyond walls of Law Schools: Prospects for African Universities. Paper presented at the Conference of the South African Association of Intellectual Property Law and Information Technology Law Teachers and Researchers (AIPTIL), University of Pretoria, 4-5th July, 2018.

Maulidi, W. The impact of the extensions of pharmaceutical transition period for African LDCs on the implementation of TRIPS: The case of Malawi. Paper presented at the WIPO-WTO Colloquium for Teachers and Researchers of Intellectual Property Law, African Edition, University of South Africa (UNISA), 9-12th April, 2018.

DEBORAH NDALAMA MTAWALI, MA; BA

ORCID: <http://orcid.org/0000-0002-8016-6777>

RESEARCH INTERESTS

- Critical and multimodal discourse analysis
- Language use in public spaces
- Syntax
- Translation

Title of Master's Dissertation:

An examination of Saulos Klaus Chilima's use of proverbs as a campaign tool.

BOOK CHAPTERS:

Lwara, E., Kondowe, W. and **Ndalama-Mtawali, D.** (2024), "Entrenching effective multilingualism in Malawian courtrooms through interpreting services: What do we learn from the 2019 Presidential Elections Case?" in Kondowe, W., Madula, P. and Kamanga, C. M. M. (Eds.), *Multilingualism in Southern Africa*, New York: Routledge, pp. 122-142.

Simungala, G. and **Ndalama-Mtawali, D.** (2024), "Multilingualism on Facebook: Globalising the 'Local' languages of Malawi and Zambia", in Kondowe, W., Madula, P. and Kamanga, C. M. M. (Eds.), *Multilingualism in Southern Africa*, New York: Routledge, pp. 122-142.

JOURNAL PUBLICATIONS

Simungala, G. and **Ndalama-Mtawali, D.** (2024), "Campus repertoires: interrogating semiotic assemblages, economy, and creativity", *Semiotica*, Vol. 256, pp. 137-152.

Ndalama-Mtawali, D. and Kamanga, M. (2023), "The use of Chichewa proverbs as a political campaign tool in Saulos Klaus Chilima's speeches", *Studies in African Languages and Cultures*, Vol. 57, pp. 101-123.

Simungala, G., **Ndalama, D.** and Jimaima, H. (2022), "Communicative practices from the margins: The multilingual and multicultural repertoires on university spaces", *Journal of Asian and African Studies*, Vol. 57 No. 4, pp. 712-724.

Lwara, E. and **Ndalama, D.** (2020), "Translating Sustainable Development Goals (SDGs) into Chichewa: A Quick Efficacy Assessment", *International Journal of Linguistics, Literature and Translation*, Vol. 3 No. 5, pp.130-138.

CONFERENCE PAPERS

Simungala, G, **Ndalama, D.** and Jimaima, H. Communicative Practices from the Margins: The Multilingual and Multicultural Repertoires on University Spaces. Paper presented at the Conference of the International Association of Colonial and Postcolonial Linguistics (IACPL) held at the University of Western Cape, South Africa, 28-30 July, 2021.

Ndalama, D. A Minimalist account of question formation in Ciyao. Paper presented at the XIVth Linguistics Association for SADC Universities (LASU) Conference held at the Faculty of Humanities, University of Malawi, Chancellor College, Zomba, Malawi, 14-15 September, 2017.

DEPARTMENT OF THEOLOGY AND RELIGIOUS STUDIES

The Department of Theology and Religious Studies (TRS) was established in 2007 as one of the departments in the Faculty of Education then. Prior to 2007, it existed as a section in the now-defunct Department of Humanities (alongside Geography and History sections) servicing the Bachelor of Arts Education Degree Programme (as it was known then). Now housed in the Faculty of Humanities and Social Sciences, the Department offers programmes in Theology and Religious Studies at undergraduate and postgraduate levels. The TRS Department at MZUNI follows a unique approach to theological education by concentrating on societal leadership and Gender Studies to directly contribute to socio-cultural transformation in Malawi and beyond.

MISSION

To provide high quality education, training, research, consultancies and outreach services in Theology and Religious Studies.

RESEARCH ACTIVITIES

Members of staff are actively involved in research, publications and editorial work. Research undertaken by members of staff within the Department of Theology and Religious Studies mainly fall within the areas of gender and development, public theology, and religion and the environment.

RACHEL NYAGONDWE FIEDLER, PhD; MA; BTh; Dip (Agric.); UCE

RESEARCH INTERESTS

- Gender and Feminist Studies
- Church History
- New Trends in Curriculum Development
- Ethnographic Research Methodology
- Gender/Feminist Research and Religion

Title of PhD Thesis:

The Circle of Concerned African Women Theologians (1989-2007): History and Theology.

Title of Master's Dissertation:

Liberation through Baptist Polity and Doctrine: A Reflection on the Lives of Women in the History of Women in the Baptist Convention of Malawi.

BOOK PUBLICATIONS

NyaGondwe-Fiedler, R. and Mphande, C. (Eds.) (2024) Gender Based Violence in Malawi. Critiquing Beliefs and Practices that Impede Gender Equality, Mzuzu: Mzuni Press.

NyaGondwe-Fiedler, R., Hofmeyr, H. and Fiedler, K. (2016), *African Feminist Hermeneutics of Bible and Culture: An Evangelical Approach*, Mzuzu: Mzuni Press.

NyaGondwe-Fiedler, R. (2016) A History of the Circle of Concerned African Women Theologians (1989-2007), Mzuzu: Mzuni Press.

NyaGondwe-Fiedler, R. (2005), *Coming of Age: A Christianized Initiation among Women of Southern Malawi*, Zomba: Kachere.

NyaGondwe-Fiedler, R. (2006), *Be Careful, AIDS is Real*, Zomba: Lydia Print.

NyaGondwe-Fiedler, R. (2006), *Tichenjere. EdziYirikoNadi*, Zomba: Lydia Print.

NyaGondwe-Fiedler, R. (2005), *Chenjerani. Nihenda ya Edzi Ilikodi*, Zomba: Lydia Print.

NyaGondwe-Fiedler, R. (2005), *Women of the Bible and Culture*. Baptist Convention Women in Southern Malawi, Zomba: Kachere.

BOOK CHAPTERS

NyaGondwe-Fiedler, R., Kaminga, A.C., Kumwenda, J.I., Mlenga, J.D., Munyenyembe, R., Nyika F.C. (2024), “Challenging Notions of Heightened Female Disadvantage during COVID-19”, in Ndasauka, Y. (Ed.), *Covid-19 and Psychological Distress in Africa-Communitarian Perspectives*, New York, Routledge.

Nyagondwe-Fiedler, R., Kaminga, A.C., Kumwenda, J.I., Mlenga, J.D., Munyenyembe, R. and Nyika F.C. (2024), “Challenging Notions of Heightened Female Disadvantage during COVID-19”, in Ndasauka, Y. (Ed.), *Covid-19 and Psychological Distress in Africa-Communitarian Perspectives*, New York: Routledge, pp. 30-40.

Fiedler, R., **Munyenyembe, R.**, Nkhoma, J., Mlenga, J., Saguga, G. and Kudzula, F. (2024), “Gender Based Violence in Malawi and the Theological Curriculum,” in Fiedler, R. and Mphande, C. (Eds.), *Gender Based Violence in Malawi*, Mzuzu: Mzuni Press, pp. 191-209.

NyaGondwe-Fiedler, R., Mphande, C. and Munyenyembe, R. (2024), “Introduction”, in NyaGondwe-Fiedler, R. and Mphande, C. (Eds.) *Gender-Based Violence in Malawi: Critiquing Beliefs and Practices that Impede Gender Equality*, Mzuzu: Mzuni Press, pp. 8-16.

NyaGondwe-Fiedler, R., Manda, M., Mphande, C., Mhango, G., Itimu-Phiri, A. (2024), “Gender Equality and Inequality [for Students and Staff] on Mzuzu University Campus”, in NyaGondwe-Fiedler, R. and Mphande, C. (Eds.), *Gender Based Violence in Malawi. Critiquing Beliefs and Practices that Impede Gender Equality*, Mzuzu: Mzuni Press, 2024, pp. 17-37.

NyaGondwe-Fiedler, R. (2021), "The Transferability of Selected Theologies of Isabel Apawo Phiri on HIV and AIDS: Prevention and Care to Christian Women in Southern Malawi", in Kaunda, C.J. (Ed.), *Religion, Gender and Wellbeing in Africa*, London: Lexington Books, pp. 17-30.

Rachel NyaGondwe Fiedler (2005), “‘Pastors’ Wives and Patriarchy: Experiences of Christian Women in Malawi”, in Phiri, I.A. and Nadar, S. (Eds.), *On Being Church. African Women’s Voices and Visions*, Geneva: WCC, pp. 173-183.

NyaGondwe-Fiedler, R. (2005), “Preaching Christ in a Foreign Culture: A Case of Baptist Convention Women in Malawi”, in Schirmacher, T. and Sauer, C. (Eds.), *Mission Verändert – Mission Verändert sich*, Nürnberg: Verlag für Religionswissenschaft/Bonn: Verlag für Kultur und Wissenschaft, pp. 484-488.

Rachel NyaGondwe Fiedler (2002), "Against the Flow: Stories of Women Pastors in Malawi, 1961-2001", in Phiri, I.A., Govinden, D.B. and Nadar, S. (Eds.), *Her-Stories: Hidden Histories of Women*, Pietermaritzburg: Cluster Publications.

JOURNAL PUBLICATIONS

NyaGondwe-Fiedler, R. and Landman, C. (2024), "The Impact of Traditional Health Practices, Revivalism, Patriarchy and Economic Factors on the History of the Baptist Convention's Health Response in the Post-Independence Malawi", *Studia Historiae Ecclesiasticae*, 15pps. 2024, <https://doi.org/10.25159/2412-4265/16294>

Fiedler R.N., Kaminga, A.C., Munyenyebe, R., Kudzula, F. (2023), "The Church and the Covid-19 Pandemic: The Intricate Role of Masculinities of the Clergymen", *Journal of Humanities*, Vol. 31 No. 1, pp. 21-41.

Lindgren, T., Schell, E., Rankin, S., Phiri, J., **Fiedler, R.** and Chakanza, J. (2013), "A response to Edzi (AIDS): Malawi faith-based organizations' impact on HIV prevention and care", *Journal of the Association of Nurses in AIDS Care*, Vol. 24 No. 3, pp.227-241.

NyaGondwe-Fiedler, R. (2013), "Ringens um Identität: Erfahrungen evangelikaler Frauen mit Initiationsriten für Mädchen in Malawi", *Evangelikale Missiologie*, Vol. No 29, pp. 143-147.

NyaGondwe-Fiedler, R. and Hofmeyr, J.W. (2011), "The Birth and Growth of the Circle of Concerned African Women Theologians in Malawi 1989-2011", *Studia Historiae Ecclesiasticae*, Vol. 37 No. 2, pp.1-9.

NyaGondwe-Fiedler, R. and Hofmeyr, J.W. (2011), "The Conception of the Circle of Concerned African Women Theologians: is it African or Western?" *Acta Theologica*, Vol. 31 No. 1, pp.39-57.

NyaGondwe-Fiedler, R. (2009), "The Challenge of Theological Education for Women in Malawi", *Studia Historiae Ecclesiasticae*, Vol. xxxv, supplement, pp. 119-134.

NyaGondwe-Fiedler, R. (2009), "Conversion in Africa: A Look from the Women's Side", *Journal for Christian Scholarship*, Speciale Uitgave 1, pp. 47-57.

NyaGondwe-Fiedler, R. (2006), "Pastors' Wives and Patriarchy: Experiences of Church Women in Malawi", *Religion in Malawi*, No. 13, pp. 23-27.

NyaGondwe-Fiedler, R. (2003), "The Place of Religion in the Struggle for the Rights of Girl Children: A Case Study of Experiences of Girl Children in Initiation Programmes in the Rural Communities of Southern Malawi", *Religion in Malawi*, No. 10, pp. 37-41.

RICHARD GRACIOUS GADAMA, PhD; M TH; BA

ORCID: <httpS://orcid.org/0000-0009--002-1007-8234->

RESEARCH INTERESTS

- Gender and religion
- Religion on social justice
- Church Governance and Leadership Structures
- Gender and Church Leadership
- Interfaith Relations and Ecumenism

Title of PhD Thesis:

Women in charismatic churches in Malawi: A historical and theological perspective.

Title of Master's Dissertation:

The Bible Believers in Malawi: History, Teachings and Practices (1977-2011.

BOOK PUBLICATIONS

Gadama, R.G. (2019) *Psychology of Religion*, London: Blessed Hope Publishing.

Gadama, R.G. (2019) *Moral Ethics*, London: Blessed Hope Publishing.

Gadama, R.G. (2017) Achievers Senior Secondary Bible Knowledge students Book 3, Nairobi: East African Publishers.

Gadama, R.G. (2017) Achievers Senior Secondary Bible Knowledge Teachers guide Book 4, Nairobi: East African Publishers.

JOURNAL PUBLICATIONS

Gadama, R.G. and Hofmeyr, J.W. (2016), "The early formation of charismatic churches in Malawi and their significance for the making of Malawian society", *Studia Historiae Ecclesiastica*, Vol. 42 No. 2, pp.116 - 135.

CONFERENCE PAPERS

Gadama, R.G. Environmental Sustainability and Christian Stewardship: An Integrated Approach. Paper presented at the Mzuzu University First National Research Dissemination Conference held in Mzuzu, June 5-6, 2024.

Gadama, R.G. Socio-economic Transformation and Gender Equality in Malawian Charismatic Churches. Paper presented at the National Theological Society of Malawi conference held in Lilongwe, 17-18th September, 2024.

Gadama, R.G. A sound of politics: impact of popular music in Malawi's political transitions since independence. Paper presented at the National Theological Society of Malawi conference held in Zomba, 22-24 September, 2023.

Gadama, R.G. The Education of the Children Living with Imprisoned Mothers in selected Prisons of Malawi. Paper presented at the National Research Dissemination Conference held in Lilongwe, 7-8 August, 2022.

Gadama, R.G. Collaborative Research Methodologies: A Quest for Better Engagement and Results Oriented Findings Within the Institutions of Higher Learning. Paper presented at North West Consortium Doctoral Training Partnership, University of Manchester, Manchester, England, 23 - 25 October, 2019.

Gadama, R.G. Teaching and Assessing in Large Classes in Teacher Education Institutions: Implications for Continuous Staff Development Activities. Paper presented at the Malawi Education Conference, Chancellor College, Zomba, 25th - 27th July, 2016.

Gadama, R.G. Science and Theology in the 20th Century. Paper presented at the 4th International Conference on Humanities, Society and Culture - ICHSC 2014 held at the University of Malawi, Chancellor College, September 2, 2014.

Gadama, R.G. Religion and Homosexuality. Paper presented at 5th International Conference on Humanities, Historical and Social Sciences - CHHSS 2014 held at University of Malawi Chancellor College, September 25, 2014.

Gadama, R.G. Religion and Philosophy. Paper presented at the Fifth Asian Conference on Ethics, Religion and Philosophy held at Dodoma University, March 26-28, 2013.

Gadama, R.G. Education, religion and culture. Paper presented at the University of Lusaka conference held from 4-5 June, 2012.

COGITATOR WILTON YAWAKA MAPALA, PhD; MEd; MTh; BD; UCE

ORCID: <https://orcid.org/0000-0003-1182-3806>

RESEARCH INTERESTS

- History- Religion and Politics
- Church and Society
- Theology and Development
- Media and Religion
- Curriculum Issues

Title PhD Thesis:

A Historical Study of the Border Dispute Between the Livingstonia and Nkhoma Synods of the Church of Central Africa Presbyterian (1956-2015).

Title of MEd Dissertation:

An Analysis of Social Studies Teachers' Pedagogy in Selected Secondary Schools in Malawi.

Title of MTh Dissertation:

Christianity and Poverty Alleviation in Malawi: A Case of The CCAP Synod of Livingstonia.

BOOK CHAPTERS

Mapala C.W. (2024), "CCAP Ministerial Training", in Ross, K.R. and Chilongozi, M.N. (Eds.), *The Church of Central Africa Presbyterian 1924 -2024: A Centenary Assessment*, Geneva: Globethics, pp. 300 - 321.

Mapala, C.W. and Ross, K.R. (2024), "Conclusion", in Ross, K.R. and Chilongozi, M.N. (Eds.), *The Church of Central Africa Presbyterian 1924 -2024: A Centenary Assessment*, Geneva: Globethics, pp. 418 - 434.

NyaGondwe-Fiedler, R., Mapala, C., Mlenga, J., Munyenembe, R., Kudzula, F., Khoromana, M. and Saguga, G. (2024), "Conclusion," in NyaGondwe-Fiedler, R. and Mphande, C. (Eds.), *Gender-Based Violence in Malawi: Critiquing Beliefs and Practices that Impede Gender Equality*, Mzuzu: Mzuni Press, pp. 193-196.

Mapala C.W. (2022), "Decolonising Theological Education in Malawi: A Challenge to Curriculum Reforms in Institutions of Higher Learning", in Nyika, F.C., Mvula, M.M.Y. and Ross, K.R. (Eds.), *Decolonizing the Theological Curriculum in an Online Age*, Zomba: TSM Press, pp. 65 – 88.

JOURNAL PUBLICATIONS

Mapala, C.W. (2015), “A critical reflection and Malawian perspective on the commemoration of the Edinburgh 1910 International Missionary Conference”, *Studia Historiae Ecclesasticae*, Vol. 41 No. 3, pp. 63 - 78.

CONFERENCE PAPERS

Mapala C.W. Reconsider Dependence on Breadwinner in Economic Uncertainties: A Mindset Change on Certain Elements of Ubuntu in Malawi Culture. Paper presented at the Research Seminar for the School of Humanities and Social Sciences of the University of Malawi on 31st May, 2024.

Mapala, C.W. and Munyenembe, R. The CCAP Synod of Livingstonia’s Response to the COVID-19 Pandemic. Paper presented at the joint Mzuzu University and Greater Zimbabwe University Nagel Research Project Consultative Workshop held at Riverside Hotel in Lilongwe from 9 to 10 October, 2023.

Mapala, C.W. Scottish Presbyterian Missions, and Colonial Government: Malawian or colonial land? Paper presented at the conference on Church and Empire held at the University of KwaZulu-Natal from 16th to 18th August, 2018.

Mapala, C.W. Ordination of Women a Turning Point in Church Leadership: A Case Study of the Church of Central Africa Presbyterian in Malawi. Paper presented at the conference on Turning points in the history of Christianity held at Stellenbosch University in South Africa from 17 to 19 August, 2017.

Mapala, C.W. The CCAP Contemporary Service of Worship in Urban Congregations of Malawi: A Contradiction or Complementary? Paper presented at the conference on Faith and South African Realities: Third Joint Conference held at the University of Pretoria from 11 to 15 July, 2016.

Mapala, C.W. Dr. Banda and The Making of a Dictator: A Contribution of the Church in Malawi (1960 – 1970). Paper presented at the conference on Accountable Leadership and Sustainability in Africa: Religion, Democracy and Civil Society held at the University of South Africa from 21 to 24 April, 2015.

Mapala, C.W. Ethnic Identities in the Transfer of Kasungu Mission: A Political Dilemma for the Church and Nation. Paper presented at the conference on Rethinking the Humanities in the Twenty-first Century Africa held at the University of Malawi on 10 November, 2015.

Mapala, C.W. A Critical Reflection on the Commemoration of Edinburgh 1910, International Missionary Conference from Malawian Perspective”. Paper presented at the conference on The History of Commemorations, Celebrations and Anniversaries held at Northwest University in South Africa between 13 and 15 August, 2015.

JOYCE DAINESS MLENGA, PhD; MDiv.; BA; UCE

ORCID: <httpS://orcid.org/0000-003-0225-4621>

RESEARCH INTERESTS

- Religion and Culture
- African Christianity
- Christian Education
- Gender Issues

Title of PhD Thesis:

An Investigation of Dual Religiosity between Christianity and African Traditional Religion among the Ngonde in Karonga District in Northern Malawi.

Title of Master's Dissertation:

Students' Perception of the Relevance of Assessment Tools Used at Nairobi Evangelical Graduate School of Theology.

DIRECTORY ENTRY

Ross, K. R. and **Mlenga, J. (2022)**, "Malawi, Christianity", in *Bibliographical Encyclopaedia of African Theology*. <https://african.theologyworldwide.com/encyclopaedia-african-christianity/malawi-christianity-in>.

Ross, K. R. and **Mlenga, J. (2022)**, "Malawi, Theology in", in *Bibliographical Encyclopaedia of African Theology*. <https://african.theologyworldwide.com/encyclopaedia-african-christian-thought/malawi-theology-in>.

BOOK PUBLICATIONS

Mlenga, J. (2016) *Dual Religiosity in Northern Malawi: Ngonde Christians and African Traditional Religion*, Mzuzu: Mzuni Press.

Mlenga, J. (2013), *The Concept of the Living Dead among the Phoka of Northern Malawi*, Mzuzu: Mzuni press.

Mlenga, J. (2012), *Culture in the Synoptic Gospels*, Mzuzu: Mzuni press.

Mlenga, J. (2008), *Women in Holy Ministry in the CCAP Synod of Livingstonia: A Study of Perceptions*, Zomba: Kachere Series.

BOOK CHAPTERS

Moyo, F. and **Mlenga, J.** (2024), “Towards Makewana Eco-Theology: Motherhood, Wife God and Rain Priestess”, in Dube, M., Musili, T. and Ansah, S.O. (Eds.), *African Women Legends and the Spirituality of Resistance*, New York: Routledge, pp. 75-89.

NyaGondwe-Fiedler, R., Chiwanda-Kaminga, A., Kumwenda, J., **Mlenga, J.**, Munyenembe, R. and Nyika, F. (2024), “Challenging Notions of Heightened Female Disadvantage during COVID-19,” in Ndasauka, Y. (Ed.), *COVID-19 and Psychological Distress in Africa: Communitarian Perspectives*, New York: Routledge, pp. 30-40.

Mlenga, J. (2022), “Training of Clergy in the University Context in Malawi: A Reflection for Decolonization in Approaches,” in Nyika, F.C., Mvula, M.H.Y. and Ross, K.R. (Eds.) *Decolonizing the Theological Curriculum in an Online Age*, Zomba: TSM Press, pp. 383-400.

Mlenga, J. (2021), “The Abiding Influence of African Traditional Religion among Educated Christian Professionals in Northern Malawi,” in Ross, K.R. and Mvula, M.H.Y. (Eds.) *Theology in Malawi: Prospects for the 2020s*, Zomba: Kachere, pp. 157-161.

JOURNAL PUBLICATIONS

Mlenga, J. (2020), “Witchcraft Accusations and the Christian Church’s Response,” *On Knowing Humanity Journal*, Vol. 4 No. 1, pp. 99-102.

CONFERENCE PAPERS

Fiedler, R., **Mlenga, J.** and Kaminga, A. “Untold Strength: Why are there Fewer Women Infected by and Dying from Covid-19 than Men?” A paper presented at 2022 International Research Conference, organized by Pan Africa Christian University, Kenya, 19th -20th May, 2022.

Mlenga, J. “Spontaneous Introduction of Christian Private Universities in Malawi and the Quality of Education Provided.” Paper presented at the 12th International Conference on Private Higher Education in Africa, organized by St. Mary’s University, Addis Ababa, Ethiopia, on 23rd August, 2014.

RHODIAN MUNYENYEMBE, PhD; MEd; MA; BA

ORCID: <https://orcid.org/0000-0001-5163-0908>

RESEARCH INTERESTS

- African Theology
- Christianity and Socio-cultural Issues
- African Church Historiography
- Religious Studies
- Church and Politics

Title of PhD Thesis:

A history of the CCAP as a federative denomination (1924-2015).

Title of MA Dissertation:

Christianity and socio-cultural issues: An evaluation of the charismatic movement's contribution towards the contextualisation of the Gospel in Malawi.

Title of MEd Dissertation:

The Impact of English as a Medium of Instruction on Non-Native English-Speaking Students' Acquisition of Social and Academic Language in Southern Africa.

BOOK PUBLICATIONS

Ndekha, L., **Munyenyebe, R.** and Judith Bachmann (Eds). (2024) *Africa Traditional Religions Revisited*, Bamberg: Bamberg University Press.

Nkhoma, J., **Munyenyebe, R.** and Longwe, H. (Eds.) (2021) *Mission in Malawi: Essays in Honour of Klaus Fiedler*, Mzuzu: Mzuni Press.

Munyenyebe, R. (2019) *Pursuing an elusive unity: A history of the Church of Central Africa Presbyterian as a federative denomination (1924-2018)*, Carlisle, UK: Langham Publishing.

Munyenyebe, R.G. (2012) *Some Effects of Denominational Pluralism on Congregational Discords*, Zomba: Kachere, 2012 (low-level publication booklet).

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BOOK CHAPTERS

Ndekha, L., **Munyenyebe, R.** and Bachmann, J. (2024), “Continuity, Change and Methodology in African Traditional Religions”, in Ndekha, L., Munyenyebe, R. and Bachmann, J. (Eds.), *Africa Traditional Religions Revisited*, Bamberg: Bamberg University Press, pp. 17-34.

Munyenyebe, R. (2024), “From Reformed Roots to Charismatic Renewal: An Exploration of the Shift in Theology and Spirituality in the CCAP Synod of Livingstonia”, in Peter White (Ed.), *Faith, Spirituality and Praxis: Exploring Dynamics in African Grassroots Theologies and Churches*, Abingdon: Routledge, pp. 130-155.

Munyenyebe, R. (2024). “100 Years of the CCAP: An Introduction”, in Ross, K. (Ed.), *The Church of Central Africa Presbyterian 1924-2024: A Centenary Assessment*, Geneva: Globethics, pp. 29-59.

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Fiedler, R., **Munyenyebe, R.**, Nkhoma, J., Mlenga, J., Saguga, G. and Kudzula, F. (2024), “Gender Based Violence in Malawi and the Theological Curriculum,” in Fiedler, R. and Mphande, C. (Eds.), *Gender Based Violence in Malawi*, Mzuzu: Mzuni Press, pp. 191-209.

NyaGondwe-Fiedler, R., Mphande, C. and **Munyenyebe, R.** (2024), “Introduction”, in NyaGondwe-Fiedler, R. and Mphande, C. (Eds.) *Gender-Based Violence in Malawi: Critiquing Beliefs and Practices that Impede Gender Equality*, Mzuzu: Mzuni Press, pp. 8- 16.

NyaGondwe-Fiedler, R., Mapala, C., Mlenga, J., **Munyenyebe, R.**, Kudzula, F., Khoromana, M. and Saguga, G. (2024), “Conclusion,” in NyaGondwe-Fiedler, R. and Mphande, C. (Eds.), *Gender-based Violence in Malawi. Critiquing Beliefs and Practices that Impede Gender Equality*, Mzuzu: Mzuni Press, pp. 193-196.

Munyenyebe, R. (2022), “Epistemological Contextualization: The Place of African Philosophy and African Theology in Decolonizing the Theological Curriculum in an Online Age”, in Nyika, F.C., Mvula, M.H.Y. and Ross, K.R. (Eds.) *Decolonizing the Theological Curriculum in an Online Age*, Zomba: TSM Press, pp. 111-133.

Munyenyebe R. (2021), “Revival Roots in the CCAP”, in Nkhoma, J., et al (Eds.), *Mission in Malawi: Essays in Honour of Klaus Fiedler*, Mzuzu: Mzuni Press, pp. 70-95.

JOURNAL PUBLICATIONS

Fiedler R.N., Kaminga, A.C., **Munyenyembe, R.**, Kudzula, F. (2023), “The Church and the Covid-19 Pandemic: The Intricate Role of Masculinities of the Clergymen”, *Journal of Humanities*, Vol. 31 No. 1, pp. 21-41.

Munyenyembe, R.G. (2017), “Revival History as it Affects Malawian Church History, with Special Reference to the CCAP”, *Religion in Malawi*, No. 17, pp. 26-55.

Munyenyembe, R. and Hofmeyr, J. (2016), “Lofty but not powerful: a critical analysis of the position of the general assembly in the union of the Church of Central Africa Presbyterian (Malawi)”, *Studia Historiae Ecclesiasticae*, Vol. 42 No. 3, pp. 1-21.

Munyenyembe, R. and Hofmeyr, J. (2016), “When ecclesiastical unity is pursued but not realised: Synodical independency and denominational pluralism within the Church of Central Africa Presbyterian (CCAP)”, *Studia Historiae Ecclesiasticae*. DOI: <http://dx.doi.org/10.17159/2412-4265/2016/1243>.

Munyenyembe, R.G. (2014), “The Voice of John Chilembwe on some Contemporary Malawian Issues”, *Religion & Culture*, No. 2, pp. 42 - 46.

Munyenyembe, R.G. (2007), “Combating HIV/AIDS at Congregational Level: Some Challenges and Suggestions”, *Religion in Malawi*, No. 14, pp. 41- 45.

Munyenyembe, R.G. (2005), “African Christian Scholars and the Study of African Traditional Religion (ATR)”, *Religion in Malawi*, No. 12, pp. 36-40.

CONFERENCE PAPERS

Munyenyembe, R. Mending the Seam: Bringing Back Religious Studies Social Science Methodologies into Theology and Religious Studies as a Comprehensive Discipline in the Context of HIV & AIDS and Covid-19 Pandemics. Paper presented at the Nagel Institute Research Conference held at Mzuzu Hotel on 1 July, 2022.

Munyenyembe, R. The Four Decade Malawian Experience of Hosting Refugees. Paper presented at the 2nd Stott-Bediako Forum on the Refugee Crisis in the World; African Context (INFEMIT), AkropongAkuapem, Ghana, 28 to 30 June, 2017.

Munyenyebe, R.G. The Bible School Model of Theological Education and Lay Participation in Malawi. Paper presented at the Theological Education by Extension in Malawi (TEEM) Conference under the theme - Towards a Malawian Theology of Laity held in Zomba, Malawi, on 21 May, 2011.

Munyenyebe, R.G. The Church's Involvement in the Fight against the HIV/AIDS Pandemic: Communication Issues at Congregational Level. Paper presented at the University of Malawi-Centre for Language Studies HIV & AIDS Research Dissemination Conference held at Hippo View Lodge, Liwonde, Malawi, 28 to 31 January, 2008.

Munyenyebe, R.G. An Evaluation of the Role of Traditional Leaders as Stakeholders in the Implementation of the Language in Education Policy. Paper presented at 7th National Language Symposium held at Sun 'n' Sand Holiday Resort, Mangochi, 12 to 16 November, 2007.

Munyenyebe, R.G. Literacy for Development: The Role of African Languages - Challenges and Prospects. Paper presented at the 6th National Language Symposium held at Sun n' Sand Holiday Resort, Mangochi, Malawi, 11 to 13 December, 2006.

FACULTY OF SCIENCE, TECHNOLOGY AND INNOVATION

The Faculty of Science, Technology and Innovation (STI) is one of the six faculties that emerged following the restructuring of Mzuzu University programmes in 2017. The Faculty has six academic departments namely Mathematics and Statistics, Biological Sciences, Physics and Electronics, Chemistry, Energy Systems, and Information and Communications Technology.

The Faculty of STI offers a number of academic programmes at undergraduate and postgraduate levels. Departments falling under the Faculty of STI also service other departments within the University, particularly those that require their students to have good grounding in the basic sciences. The Faculty has further spearheaded the outreach functions of the University by carrying out trainings that facilitate information and skill transfer to community members through a number of short courses.

VISION

Academy of excellence in science, technology and innovation responsive to present and future societal needs in Malawi and the World.

MISSION

To offer high quality academic, training, research and community outreach programmes in science and technology that fully harness innovations to meet individual and societal technological, social and economic needs.

RESEARCH AREAS

Members of staff within the faculty of STI carry out research in the fields of Agro-Biodiversity, ICT for development, energy efficiency and conservation, codes and cryptography, solid state Physics, and telecommunications, among others. Much of the research output has been presented at conferences locally and internationally whilst some has been published in books and journals.

DEPARTMENT OF BIOLOGICAL SCIENCES

The Department of Biological Sciences is affiliated to the Faculty of Technology and Innovation. Besides servicing other departments, the Department runs a number of undergraduate degree programmes.

RESEARCH ACTIVITIES

Staff within the department conduct research related to conservation and management of biodiversity for environmental and human wellbeing, sustainable utilisation of biological diversity and Agro-Biodiversity.

YANKHO CHAPETA NYIRONGO, MSc; BSc

RESEARCH INTERESTS

- Infectious disease epidemiology
- Mathematical modelling of infectious diseases
- Neglected Tropical Disease
- Malaria
- Vector Biology

Title of Master's Dissertation:

Use of Structural House Improvement: An Additional Vector Control Intervention Against Malaria Transmission in Chikhwawa District.

BOOK CHAPTER PUBLICATION

Chapeta, Y. (2010), "Amphibians and Reptiles of Nyika National Park", in Marianne J. Overton (Ed.) *Biosearch Nyika, Wildlife Research Expeditions*, Wayfarer Lodge Welbourn, Lincs LNS OQH, UK.

JOURNAL PUBLICATIONS

Tizifa, T.A., Kabaghe, A.N., McCann, R.S., Gowelo, S., Malenga, T., Nkhata, R.M., **Chapeta, Y.**, Nkhono, W., Kadama, A., Takken, W. and Phiri, K.S. (2024), "Assessing the implementation fidelity, feasibility, and sustainability of community-based house improvement for malaria control in southern Malawi: a mixed-methods study", *BMC public health*, Vol. 24 No. 1, p.951.

Mwale, S.E., Chisale, M., Chimanya, M., Tandwe, T.N., **Chapeta, Y.**, Nkosi, M.M., Nyambalo, B.W., Ngonga, J., Munyenembe, P., Kayange, W. and Chikakuda, Y.S. (2022), "Prevalence of Immunoglobulin (G (IgG) and M (IgM)) Against SARS-COV-2 and risk factors for positivity among Students at tertiary education institution, Malawi", PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-1870665/v1>]

Tizifa, T.A., Gowelo, S., Kabaghe, A.N., McCann, R.S., Malenga, T., Nkhata, R.M., Kadama, A., **Chapeta, Y.**, Takken, W., Phiri, K.S., van Vugt, M., van den Berg, H. and Manda-Taylor, L. (2022), "Community-based house improvement for malaria control in southern Malawi: Stakeholder perceptions, experiences, and acceptability", *PLOS Glob Public Health*, Vol. 2 No. 7, e0000627. <https://doi.org/10.1371/journal.pgph.0000627>

Tolley, K.A., Tilbury, C.R., da Silva, J.M., Brown, G., **Chapeta, Y.** and Anderson, C.V. (2022), “Clinging to survival: Critically Endangered Chapman’s pygmy chameleon *Rhampholeon chapmanorum* persists in shrinking forest patches”, *Oryx*, Vol. 56 No. 3, pp. 451-456. doi:10.1017/S0030605320000952

CONFERENCE PAPERS

Tandwe, T.N.G., Mwale, S.E., Munyenembe, P., Chisale, M., **Chapeta, Y.**, Nkosi, M.M., Chimenya, M. and Kamanula, J. Medicinal plant species used locally to treat COVID-19 in Rumphi District, Northern Malawi. Paper presented at the First Mzuzu University National Research Dissemination Conference held at Mzuzu University Campus from 5-6th June, 2024.

Chapeta, Y. (2013) Ecology and Conservation Status of endemic mountain chameleons, *Nadzikambia mlanjensis* and *Rampholeon platyceps* in Malawi. Paper presented at the National Research Dissemination Conference, “Towards Evidence Based Policy Decision Making”, by National Commission for Science and Technology, at Crossroads, Lilongwe in May 2012.

McLENELIOUS CLEMENT CHIMENYA, MSc; BEd (Hons); Bed.; DipEd.

RESEARCH INTERESTS

- Genetic characterisation of *Oreochromis shiranus* and *Coptodon rendalli*
- Distribution, diversity and status of small wild mammals
- Distribution, diversity and status of wild birds

Title of Master's Dissertation:

*Genetic Population Structure of **Oreochromis mossambicus** in the Lower Shire River System.*

JOURNAL PUBLICATIONS

Chimenya, M.C., Changadeya, W.J. and Ambali, A.J.D. (2013), “Genetic diversity and population structure of *Oreochromis mossambicus* in the Lower Shire River system of Malawi”, *International Journal of Research in Social Sciences (IJRSS)*, Vol. 3 No. 4.

Changadeya, W., Ambali, A., Kabwazi, H., Kafumbata, D., **Chimenya, M.C.** and Phiri, M., H. (2000), “The Status of Lagoon Fishery in Nkhota-Kota District, Malawi”, *Malawi Journal of Science and Technology*, Vol. 6, pp. 3-9.

Kafumbata, D., Ambali, A., Kabwazi, H., Changadeya, W., Phiri, M. and **Chimenya, M.C.** (2000), “Chasing the Chambo in Southern Lake Malawi: Does Molecular Genetics Have a Role to Play in the Management of the Stocks?” *Malawi Journal of Science and Technology*, Vol. 6, pp. 71-79.

CONFERENCE PROCEEDINGS

Tandwe, T.N.G., Mwale, S.E., Munyenembe, P., Chisale, M., Chapeta, Y., **Nkosi, M.M.**, **Chimenya, M.** and Kamanula, J. Medicinal plant species used locally to treat COVID-19 in Rumphi District, Northern Malawi. Paper presented at the First Mzuzu University National Research Dissemination Conference held at Mzuzu University Campus from 5-6th June, 2024.

Chimenya, M.C., Ambali, A., Kabwazi, H., Kafumbata, D. and Changadeya, W. (2000), “Status of the Lower Shire Fishery: Are the Tilapia Populations in a Stable State? Research and Development: Challenges of a New Millennium”, *Research and Publications Committee, University of Malawi. Sixth Conference Proceeding*, p. 60.

Changadeya, W., Ambali, A., Kabwazi, H., Phiri, M., H., **Chimenya, M.C.** and Kafumbata, D. (2000), “Population structure of *Taeniolethrinops praeobitalis* (Regan) in the Southeast and Southwest Arms

of Lake Malawi. Research and Development: Challenges of a New Millennium”, *Research and Publications Committee, University of Malawi. Sixth Conference Proceeding, p. 61.*

Kabwazi, H., Ambali, A., Changadeya, W., **Chimenya, M.C.** Kafumbata, D. and Phiri, M., H., (2000), “Potential and Sustainable Utilisation of Fish Resources in Malawi. A Genetic Approach: Research and Development: Challenges of a New Millennium”, *Research and Publications Committee, University of Malawi. Sixth Conference Proceeding, p. 63.*

Ambali, A., Kabwazi, H., Changadeya, W., Kafumbata, D., **Chimenya, M.C.** and Phiri, M. (2000), “The Potential and Threats of Lagoon Fishery in Nkhota-Kota District. Research and Development: Challenges of a New Millennium”, *Research and Publications Committee, University of Malawi. Sixth Conference Proceeding, p. 64.*

Chimenya, M.C., (2001), “Genetic Population Structure of *Oreochromis mossambicus* in the Lower Shire River. Lake Malawi Fisheries Management Symposium (LMFMS)”, *Conference Proceeding, Capital Hotel, Lilongwe.*

MASTER R. O. CHISALE, MSc; BSc (Biomed.)

ORCID: <https://orcid.org/0000-0002-8301-6184>

RESEARCH INTERESTS

- Bacteriology
- Mycology
- Vaccine Development
- Virology
- Mycobacteriology

JOURNAL PUBLICATIONS

Chisale, M.R., Kambalame, D., Mwale, S.E., Mbakaya, B.C., Mankhamba, R., Kumwenda, P., Chilima, B., Mitambo, C., Chiwaula, M., Nyambalo, B. and Sambani, C. (2024), “Knowledge, Attitudes, and Practices on COVID-19 Vaccination among General Adult Population in Malawi: A Countrywide Cross-Sectional Survey”, *Vaccines*, Vol. 12 No. 3, p.221. <https://doi.org/10.3390/vaccines12030221>.

Davy, K., Koskinas, E., Watson, C., Ledwidge, M., Mbakaya, B., **Chisale, M.** and Gallagher, J. (2024), “Respiratory syncytial virus-associated pneumonia in primary care in Malawi”, *Journal of Tropical Pediatrics*, Vol. 70 No. 4. doi: 10.1093/tropej/fmae013. PMID: 39025514; PMCID: PMC11257717.

Chitsulo, S., Omotayo, D., Mbendera, K., Sinyiza, F.W., **Chisale, M.** and Mbakaya, B.C. (2023), “Linezolid-induced hematemesis, a rare and life-threatening adverse reaction: A case report of Karonga district in Malawi”, *Oxford Medical Case Reports*, Vol. 2023 No. 3, <https://doi.org/10.1093/omcr/omad020>

Chisale, M.R., Sinyiza, F.W., Kaseka, P.U., Chibatata, C.S., Mbakaya, B.C., Wu, T.S.J., Nyambalo, B.W., Chauma-Mwale, A., Chilima, B., Yu, K.L.J. and Kayira, A.B. (2023), “Coronavirus Disease 2019 (COVID-19) Reinfection Rates in Malawi: A Possible Tool to Guide Vaccine Prioritisation and Immunisation Policies”, *Vaccines*, Vol. 11 No. 7, p.1185. [10.3390/vaccines11071185](https://doi.org/10.3390/vaccines11071185)

Chisale, M.R., Jordan, A., Kamudumuli, P.S., Mvula, B., Odo, M., Maida, A., Kandulu, J., Chilima, B., Sinyiza, F.W., Katundu, P. and Lee, H.Y. (2023), “Six months survival and risk factors for attrition for patients detected with cryptococcal antigenemia through screening in Malawi”, *Plos one*, Vol. 18 No. 5, p. e0284367. <https://doi.org/10.1371/journal.pone.0284367>

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Chisale, M. R., Ramazanu, S., Mwale, S. E., **Kumwenda, P.**, Chipeta, M., Kaminga, A. C., ... and Mbakaya, B. C. (2022), “Seroprevalence of anti_SARS.CoV.2 antibodies in Africa: A systematic review and meta-analysis”, *Reviews in medical virology*, Vol. 32 No. 2, e2271.

Sinyiza, F.W., **Chisale, M.R.O.**, Kayira, A.B., et al. (2022), “Histopathological profile of orbito-ocular cancers at a tertiary hospital in Northern Malawi: a retrospective cross-sectional study”, *BMJ Open Ophthalmology*, Vol. 7: e000977. doi: 10.1136/bmjophth-2022-000977

Kaseka, P.U., Kayira, A., **Chisale, M.R.O.**, et al. (2022), “Histopathological profile of cervical biopsies in northern Malawi: a retrospective cross-sectional study”, *BMJ Open*, Vol. 12: e048283. doi: 10.1136/bmjopen-2020-048283

Ramazanu, S., **Chisale, M.R.O.**, Baby, P., Wu, V.X. and Mbakaya, B.C. (2022), “Meta-synthesis of family communication patterns during post-stroke vascular aphasia: Evidence to guide practice”, *Worldviews on Evidence-Based Nursing*, Vol. 19 No. 4, pp. 282-296.

Chisale, M.R.O., Ramazanu, S., Mwale, S.E., et al. (2021), “Seroprevalence of anti-SARS-CoV-2 antibodies in Africa: A systematic review and meta-analysis”, *Rev Med Virol.*; e2271. <https://doi.org/10.1002/rmv.2271>

Gallagher, J., **Chisale, M.R.O.**, Das, S., et al. (2021), “Aetiology and severity of childhood pneumonia in primary care in Malawi: a cohort study”, *BMJ Open*, 11: e046633. doi:10.1136/bmjopen-2020-046633

Kumwenda, P., Adukwu, E. C., Tabe, E. S., Ujor, V., Kamudumuli, P. S., Ngwira, M., ... and **Chisale, M. R.** (2021), “Prevalence, distribution and antimicrobial susceptibility pattern of bacterial isolates from a tertiary Hospital in Malawi”, *BMC Infectious Diseases*, Vol. 21 No. 1, pp. 1-10.

Wilde, D.M., **Chisale, M.R.O.**, Gallagher, J. et al. (2021), “A Systematic Review of Clinical Prediction Rules to Predict Hospitalisation in Children with Lower Respiratory Infection in Primary Care and their Validation in a New Cohort”, *E. Clinical Medicine*, Vol. 41, 1011643. <https://doi.org/10.1016/j.eclinm.2021.101164>

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Chimbatata, C.S., **Chisale, M.R.O.**, Kayira, A.B., et al. (2021), “Paediatric sickle cell disease at a tertiary hospital in Malawi: a retrospective cross-sectional study”, *BMJ Paediatrics Open*, 5: e001097. doi: 10.1136/bmjpo-2021-001097.

Chisale, M.R.O., Sinyiza, F., Kaseka, P., Wu, J., Chimbatata, C., Mbakaya, B., . . . Kayira, A. (2020), “Cancer Obscures Extrapulmonary Tuberculosis (EPTB) at a tertiary hospital in Northern Malawi”, *Epidemiology and Infection*, pp. 1-20. DOI:10.1017/S095026882000254X

Chisale, M.R.O., Dikani, S., Sinyiza, F., Mkwaila, J., Kamudumuli, P., Lee, H. (2020), “A comparative evaluation of three methods for the rapid diagnosis of cryptococcal meningitis (CM) among HIV-infected patients in Northern Malawi”, *Malawi Medical Journal*, Vol. 32 No. 1, pp. 3-7.

Hannigan, A., **Chisale, M.**, Drew, R., Watson, C. and Gallagher, J. (2019), “GP133 Mobile phones for follow up in paediatric clinical studies in Africa”, *Archives of Disease in Childhood*, Vol. 104, p. 84.

Chitandale, E., Choonara, E., Mwenyephiri, G., Zulu, M., **Chisale, M.**, Kipandula, W. (2019), “Antibiotic resistance profiles of *Acinetobacter baumannii* isolates from surgical wound infections at Kamuzu Central Hospital in Malawi: A retrospective study”, *Int J Res Med Sci*, Vol. 7, pp. 3060-3065.

Chisale, M., Kusakala, G. and Kamudumuli, P.S. (2019), “The Prevalence of Bacterial Contamination in Transfusable Platelets in Lilongwe, Malawi”, *Acta Scientific Microbiology*, Vol. 2 No.10, pp. 12-16.

Chisale, M., Makuluni, M. and Kamudumuli, P.S. (2019), “Comparative assessment of microbial air contamination in labour and postnatal ward at Mzuzu central hospital”, *American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)*, Vol. No 1, pp. 110-118.

Glezeva, N., **Chisale, M.**, McDonald, K., Ledwidge, M., Gallagher, J. and Watson, C.J. (2018), “Diabetes and complications of the heart in Sub-Saharan Africa: An urgent need for improved awareness, diagnostics and management”, *Diabetes Research and Clinical Practice*, Vol. 137, pp. 10-19.

Chisale, M., Kumwenda, P., Ngwira, M., Chisale, M.R., Kumwenda, P., M'baya, B., Chosamata, B.I. and Mwapasa, V. (2015), “A pilot study to determine the normal haematological indices for young Malawian adults in Blantyre, Malawi”, *Malawi Medical Journal*, Vol. 27 No. 3, pp. 101-105.

CONFERENCE PAPER

Chisale, M., Kamudumli, P., Jordan, A. et. Al. “High Burden of Cryptococcal Antigenemia in Patients with Advanced HIV Disease in Malawi”. Paper presented at the 20th International Conference on AIDS and STIs (ICASA 2019) held in Kigali, Rwanda from 2 - 7 December, 2019.

Chisale, M., Kamudumli, P., Jordan, A. et. Al. "A pilot cryptococcal antigenemia (CRAG) screening program among HIV-infected patients in Malawi". Paper presented at the 3rd AIDS-related mycoses workshop held in Cape Town South Africa from 10-12 July, 2019.

Chisale, M., Tsung-ShuWu, J., Chipeta, M., Ngwira. Assessment of Knowledge on diet and lifestyle management among diabetic patients in the Northern Region of Malawi. Paper presented at the National Commission for AIDS (NAC)-College of Medicine (COM) Joint National Research Dissemination Conferences held from 22-23 November, 2013.

PAUL MUTIYENKHU MUNYENYEMBE, PhD; MSc; BSc

ORCID: <https://orcid.org/0009-0009-2901-9788>

RESEARCH INTERESTS

- Economic uses and ecological parameters of the legumes
- Indigenous knowledge systems and biodiversity utilization and conservation.
- Conservation and sustainable use of biodiversity
- Diversity, distribution and abundance of flora and fauna species in Malawi

Title of PhD Thesis:

Biological Diversity of Species in the Leguminosae genus Dolichos L.

BOOK CHAPTER PUBLICATIONS

Munyenyebe, M.P. and E.Y. Sambo (1998), “The vegetation of Lake Chilwa”, in: Van Zegeren, K. and Munyenyebe, M.P. (Eds.) *The Lake Chilwa Environment, a Report of the 1996 RAMSAR Site Study*: 39-71.

Sambo, E. and Munyenyebe, M. (1999), “Indigenous knowledge systems in the natural resources management plan for the Lake Chilwa Basin, Southern Malawi”, in: Caldwell, W. (Ed.), *Issues and Responses: Land Use and Planning in Eastern and Southern Africa*, Harare, Weaver Press.

JOURNAL PUBLICATIONS

Kokou, B.K., Salumu, P.K., Balde, I., Nababi, J., Lufungula, G.A., Teteli, C., Wanjala1, F.P., Msiska, U., Tembo, M., **Munyenyebe, P.** and Rudant, J.-P. (2024), “Modelling the current and future spatial distribution area of *Adansonia digitata* L. in the context of climate change in Malawi (Southern Africa)”, *Journal of Agricultural Science*, Vol. 16 No. 9, doi:10.5539/jas. v16n9p41

Koko, B.K., Msiska, U., Wouyo, A., Salumu, P.K., Balde, I., Nababi, J., Tembo, M., **Munyenyebe, P.** (2024), “State of knowledge and perspectives on wild loquat: *Uapaca kirkiana* Mull.Arg (Euphorbiaceae) in Malawi (Southern Africa)”, *Revue Ecosystèmes et Paysages*, Vol. 4 No. 1, pp. 1-18. Doi: <https://doi.org/10.59384/reco-pays.tg4101>

Chataika, B. Y. E., Bokosi, J. M., Kwapata, M. B., Chirwa, R. M., Mwale, V. M., Munyenyebe, P. and Myers, J. R. (2010), “Performance of parental genotypes and inheritance of Angular Leaf Spot

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Munyenyembe, M.P. and Bisby, F.A. (1997), “The transfer of *Dolichos junodii* to *Nesphostylis* (*Leguminosae*)”, *Kew Bulletin*, Vol. 52 No. 3, pp. 689-692.

Armbruster, W.S., Edwards, M.E., Hines, J.F. Mahunnah, R.L.A. and Munyenembe, P. (1993), “Pollination Ecology of *Dalechampia* species”, *National Geographic Research and Exploration*, Vol. 9 No. 4, pp. 460-474.

Munyenyembe, P. (1993), “Legume germplasm collection in the arid and semi-arid areas of Tanzania”, *FAO/IBPGR Plant Genetic Resources Newsletter*, Vol. 91/92, p. 65.

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Munyenyembe, M.P. (1994), “A new circumscription of the genus *Dolichos* L. (*Leguminosae*)”, in: van der Maesen, L.J.G., van der Burgt, X.M. and van Madenbach de Rooy, J.M. (eds.), *The Biodiversity of African Plants, Proceedings of The XIVth AETFAT Congress, 22 - 27 August 1994, Wageningen, the Netherlands*.

CONFERENCE PAPERS

Tandwe, T.N.G., Mwale, S.E., **Munyenyembe, P.**, Chisale, M., Chapeta, Y., **Nkosi, M.M.**, Chimanya, M. and Kamanula, J. Medicinal plant species used locally to treat COVID-19 in Rumphi District, Northern Malawi. Paper presented at the First Mzuzu University National Research Dissemination Conference held at Mzuzu University Campus from 5-6th June, 2024.

Munyenyembe, P. Systematic and evolutionary relationships in the genus *Dolichos* L. (*Leguminosae*). Paper presented at the 3rd International Legume Conference, Royal Botanic Gardens, Kew, England, 12 - 17 July 1992.

Munyenyembe, M.P. The floral and pollination biology of *Dolichos* L. (*Leguminosae*). Paper presented at the 4th Research and Publications Committee Conference of the University of Malawi, 17-20 July 1995, Mangochi, Malawi.

Munyenyembe, M.P. and Qhobela, L.L. Human resource capacity in conservation and use of plant genetic resources in the SADC region: A review. Paper presented at the Fourth RUFORUM Regional Biennial Conference, Maputo, Mozambique, 21 - 25 July 2014.

SAUL ERIC MWALE, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0002-4263-2941>

RESEARCH INTERESTS

- Breeding for resistance to biotic and abiotic stresses
- Drug discovery
- Vector borne diseases & Control
- Conservation of plant genetic resources
- Seed systems

Title of PhD Thesis:

Genetic analysis of drought tolerance in Tepary bean (Phaseolus acutifolius A. Gray).

Title of Master's Dissertation:

Genetics of Drought Tolerance in Cowpea (Vigna unguiculata) Genotypes in Uganda.

BOOK CHAPTER PUBLICATIONS

Veste, M. *et al.* (2024), "The Need for Sustainable Agricultural Land-Use Systems: Benefits from Integrated Agroforestry Systems", in: von Maltitz, G.P., *et al.* (Eds.) *Sustainability of Southern African Ecosystems under Global Change: Ecological Studies*, vol 248, Springer, Cham.

JOURNAL PUBLICATIONS

Mwale, S.E., Shimelis, H., Nkhata, W., Sefasi, A., Fandika, I. and Mashilo, J. (2024), "Genetic Analysis for Seed Yield and Yield-Related Traits in Tepary Bean (*Phaseolus acutifolius* A. Gray) Under Drought-Stress and Non-stress Conditions", *Legume Science*, <https://doi.org/10.1002/leg3.70009>

Mwale, S.E., Shimelis, H., Nkhata, W., Sefasi, A., Fandika, I. and Mashilo, J. (2024), "Genetic analysis for seed yield and yield-related traits in tepary bean (*Phaseolus acutifolius* A. Gray) under drought-stress and non-stress conditions", *Legume Science*. [Preprint] <https://doi.org/10.21203/rs.3.rs-3881337/v1>

Mwale, S.E., Shimelis, H., Nkhata, W., Sefasi, A., Fandika, I. and Mashilo, J. (2024), "Phenotypic variation and association of agronomic traits in tepary bean genotypes under drought-stress and non-stress conditions", *South African Journal of Plant and Soil*, [Preprint] <https://doi.org/10.21203/rs.3.rs-3881337/v1>

Chisale, M.R., Kambalame, D., **Mwale, S.E.**, Mbakaya, B.C., Mankhamba, R., Kumwenda, P., Chilima, B., Mitambo, C., Chiwaula, M., Nyambalo, B. and Sambani, C. (2024), “Knowledge, Attitudes, and Practices on COVID-19 Vaccination among General Adult Population in Malawi: A Countrywide Cross-Sectional Survey”, *Vaccines*, Vol. 12 No. 3, p.221. <https://doi.org/10.3390/vaccines12030221>.

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Chirwa, P.W., Musokwa, M., **Mwale, S.E.**, Handavu, F. and Nyamadzawo, G. (2023), “Agroforestry systems for mitigating climate change and reducing Carbon Footprints of land-use systems in Southern Africa”, *Carbon Footprints*, Vol. 2 No. 1: <http://dx.doi.org/10.20517/cf.2022.081601>.

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Chisale, M. R., Ramazanu, S., **Mwale, S. E.**, Kumwenda, P., Chipeta, M., Kaminga, A. C., ... and Mbakaya, B. C. (2022), “Seroprevalence of anti-SARS-CoV.2 antibodies in Africa: A systematic review and meta-analysis”, *Reviews in medical virology*, Vol. 32 No. 2, e2271.

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Sagawa, J., Kabagenyi, A., Turyasingura, G., **Mwale, S. E.** (2021), “Determinants of postnatal care service utilization among mothers of Mangochi district, Malawi: a community-based cross-sectional study”, *BMC Pregnancy Childbirth*, Vol. 21 No. 591. <https://doi.org/10.1186/s12884-021-04061-4>.

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Chisa, A., Mafongoya, P., Odindo, A., Mutondiwa, P. and **Mwale, S.E.** (2021), “Correlation and Path Coefficient Analysis for Seed Yield and Agronomic Traits of Newly Introduced Pigeon Pea Genotypes in South Africa”, *Journal of Agricultural Science*. <https://doi.org/10.5539/jas.v13n1p33>.

Valentor, A.O., Ochwo-Ssemakula, M., Kaweesi, T., Ozimati, A., Mrema, E., **Mwale, E.S.**, Gibson, P., Achola, E., Edema, R., Baguma, Y. and Kawuki, R. (2018), “Plot based heritability estimates and categorization of cassava genotype response to cassava brown streak disease”, *Crop Protection*, Vol. 108, pp. 39 – 46.

Achola, E., Tukamuhabwa, P., Adriko, A.J., Edema, R., **Mwale, S.E.**, Gibson, P., Naveen, P., Okul, V., Michael, D. And Okello, D.K. (2017), “Composition and variation of fatty acids among groundnut cultivars in Uganda”, *African Crop Science Journal*, Vol. 25 No. 3, pp. 291 – 299.

Mwale, S.E., Ochwo-Ssemakula, M., Sadik, K., Achola, E., Okul, V., Gibson, P., Edema, R. and Rubaihayo, P. (2017), “Response of cowpea genotypes to drought stress in Uganda”, *American Journal of Plant Sciences*, Vol. 8 No. 4, pp. 720-733.

Mwale, S.E., Ochwo-Ssemakula, M.O., Sadik, K., Alladassi, B., Rubaihayo, P., Gibson, P. and Edema, R. (2017), “Estimates of combining ability and heritability in cowpea genotypes under drought stress and non-stress conditions in Uganda”, *Journal of Plant Breeding and Crop Science*, Vol. 9 No. 2, pp. 10-18.

Mwendo, M.M., Ochwo-Ssemakula, M., **Mwale, S.E.**, Lamo, J., Gibson, P. and Edema, R. (2017), “Inheritance of resistance to brown spot disease in upland rice in Uganda”, *Journal of Plant Breeding and Crop Science*, Vol. 9 No. 4, pp. 37-44.

CONFERENCE PAPER

Mwale, S.E., Ochwo-Ssemakula, M.O. and Sadik, K. Response of Cowpea Genotypes to Water Stress Induced at Flowering Stage. Paper presented at the International Year of Pulses: Pan-African Grain Legume and World Cowpea Conference held in Livingstone, Zambia, 28 February to 4 March, 2016.

MICHAEL MZIREKELENGE NKOSI, MSc; BSc

RESEARCH INTERESTS

- Veterinary Parasitology
- One Health Research
- Animal Feed Quality and Safety
- Animal agriculture value chain development
- Poultry feeds and feeding

Title of Master's Dissertation:

Effects of Tethering and Buck Presence on Onset of Puberty in Female Malawian Goats.

BOOK PUBLICATIONS

Nkosi, M.M. and Saiti, A. (2014) *Malawi Junior Certificate of Education Practice Biology I*, Blantyre, Malawi: Dzuka Publishers.

Nkosi, M.M. and Saiti, A. (2014) *Malawi Junior Certificate of Education Practice Biology 2*, Blantyre, Malawi: Dzuka Publishers.

Nkosi, M.M. and Saiti, A. (2014) *Malawi Junior Certificate of Education Biology Teachers' Guide*, Blantyre, Malawi: Dzuka Publishers.

JOURNAL PUBLICATIONS

Nkosi, M.M.; Safalaoh, A.C.L. Mtegha, C. (2018), "Prevalence and contamination levels of aflatoxins in dairy cattle feeds from milk bulking groups in Malawi", *African Journal of Rural Development*, Vol. 3 No. 3, pp. 883 - 894.

PROCEEDINGS OF RESEARCH CONFERENCE

Nkosi, M.M., Damiano W., Tandwe, T.G. Prevalence, community knowledge and risk factors Associated with Gastro-intestinal Parasites in dogs in Mzuzu City. Paper presented at the First Mzuzu University National Research Dissemination Conference held at Mzuzu University Campus from 5-6th June, 2024.

Tandwe, T.N.G., Mwale, S.E., Munyenembe, P., Chisale, M., Chapeta, Y., **Nkosi, M.M.**, Chimenya, M. and Kamanula, J. Medicinal plant species used locally to treat COVID-19 in Rumphi District, Northern Malawi. Paper presented at the First Mzuzu University National Research Dissemination Conference held at Mzuzu University Campus from 5-6th June, 2024.

TWALIBU NORMAN GRAYSON TANDWE, MSc; BEd-Sc. (Hons); Dip. Ed (Sc.).

RESEARCH INTERESTS

- Conservation Biology and Ecology
- Environmental pollution and Biodiversity
- Analytical biochemistry
- Habitats/Ecosystems quality (terrestrial and aquatic) assessment
- Solid/liquid organ waste Management

Title of Master's Dissertation:

Effects of Aquaculture on Quantity and Quality of Water in Some Selected Streams/Rivers in Zomba District, Malawi.

JOURNAL PUBLICATIONS

Kambwiri, W., Changadeya, W., Chimphamba, J. and **Tandwe, T.** (2014), “Land Use Impacts on Water Quality of Rivers draining from Mulanje Mountain: A Case of Ruo River in the Southern Malawi,” *Journal of Science and Technology* Vol 10 No 1, pp. 15-31.

CONFERENCE PAPERS/PROCEEDINGS

Tandwe, T.N.G., Mwale, S.E., Munyenembe, P., Chisale, M., Chapeta, Y., Nkosi, M.M., Chimenya, M. and Kamanula, J. Medicinal plant species used locally to treat COVID-19 in Rumphi District, Northern Malawi. Paper presented at the First Mzuzu University National Research Dissemination Conference held at Mzuzu University Campus from 5-6th June, 2024.

Manda, S.C., Munthali, E.R.Y., **Tandwe, T.**, Gondwe, D., Kamanula, J. and Manda, J.K.T. Analysis of Antimicrobial Activity of *Jatereorhiza palmate* Root Extract Against *Escherichia coli*, *Salmonella*, spp, *Enterococcus faecalis* and *Staphylococcus aureus* bacteria species. Paper presented at the 22nd College of Medicine Research Dissemination Conference on Health Research for Preventing Illness and Improved Health Services in Malawi held at the College of Medicine, Mahatma Gandhi Campus in Blantyre from 23rd to 24th November, 2018.

Tandwe, T., Juwawo, P. and Kamanula, J. Assessment of Microbial Contamination of Ground Water from Protected and Un protected Shallow Wells in Mzuzu City. Paper presented at National Research Dissemination Conference on Research and Innovation: A catalyst for sustainable development held at Nkopola Lodge in Mangochi Malawi from 28th to 29th September, 2017.

Pemba, E.C. and **Tandwe, T.** Effect of Drying Methods on Nutritive Value of Three Consumed Mushrooms in Malawi (*Cantharellus cibarius*, *Cantharellus longisporus* and *Pleurotus ostreatus*). Paper presented at Food and Nutrition Research Dissemination Conference held at Bingu International Convention Center, Lilongwe on 27th October 2016.

DEPARTMENT OF CHEMISTRY

Department of Chemistry offers undergraduate and postgraduate programmes in Chemistry. It also services students from other faculties doing science programmes.

VISION

To prepare students for a diverse and changing world, and in the process, contribute to a chemically literate society through teaching, research and service.

MISSION

The Department strives to create a collaborative and supportive environment that enrich teaching and learning, develop and encourage professional service.

RESEARCH ACTIVITIES

Members of staff in the Chemistry Department are engaged in a wide range of research activities. The main thrust of departmental research activities are in the areas of medicinal plants, water quality, and environmental conservation and management.

LEWIS GULULA, MSc; BSc (Hons); BSc

RESEARCH INTERESTS

- Water quality
- Energy sources

Title of Master's Dissertation:

A Preliminary Phytochemical Study of Diplorhynchus Condyllocarpon, Guajava Psidium, Holarrhena Pubescens, Sclerocarya Birrea, Steganotaenia Aralicea, Trichilia Emetica, and Vernonia Glabra' Used for Treatment of Diarrhoea by Traditional Healers in Malawi.

JOURNAL PUBLICATIONS

Wanda, E.M., **Gulula, L.C.** and Kushe, J. (2014), "An assessment of effectiveness of the Lunyangwa River catchment co-management model in Mzuzu City, Northern Malawi", *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 72, pp. 96-103.

Wanda, E.M., **Gulula, L.C.** and Phiri, A. (2013), "Hydrochemical assessment of groundwater used for irrigation in Rumphi and Karonga districts, Northern Malawi", *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 66, pp. 51-59.

Wanda, E.M., **Gulula, L.C.** and Phiri, G. (2012), "Determination of characteristics and drinking water quality index in Mzuzu City, Northern Malawi", *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 50, pp. 92-97.

Wanda, E.M., **Gulula, L.C.** and Phiri, G. (2012), "An appraisal of public water supply and coverage in Mzuzu City, northern Malawi", *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 50, pp. 175178.

CONFERENCE PAPERS/PROCEEDINGS

Wanda, E.M., **Gulula, L.C.** and Kushe, J. An assessment of the Co-Management Approach used to manage upper Lunyangwa River catchment and Lunyangwa Dam in Mzuzu City, Northern Malawi. Paper presented at the 14th Waternet/Water Research Fund for Southern Africa (WARFSA) / Globe Water Partnership – Southern Africa (GWP – SA) held in Dar es Salaam, Tanzania from 30 October to 1 November, 2013.

Wanda, E.M., **Gulula, L.C.** and Phiri, A. Assessment of the suitability of groundwater for irrigation purposes in Rumphi and Karonga districts, Northern Malawi. Paper presented at National Water Congress organised by the Water Services Association of Malawi in March, 2012.

Gulula, L.C., Wanda, E.M.M. and Zavison, A. Hydrochemical study of quality of irrigation water from Lunyangwa River, Mzuzu, Northern Malawi. Paper presented at the 12th Waternet/Water Research Fund for Southern Africa (WARFSA)/Globe Water Partnership – Southern Africa (GWP – SA) held in Maputo Mozambique from 26 to 28 October, 2011.

Wanda, E.M., **Gulula, L.C.** and Phiri, G. Determination of characteristics and drinking water quality index in Mzuzu City, Northern Malawi'. Paper presented at 12th Waternet/Water Research Fund for Southern Africa (WARFSA)/Globe Water Partnership – Southern Africa (GWP – SA) held in Maputo Mozambique from 26 to 28 October, 2011.

Wanda, E.M., **Gulula, L.C.** and Phiri, G. An appraisal of public water supply and coverage in Mzuzu City, Northern Malawi'. Paper presented at 12th Waternet/Water Research Fund for Southern Africa (WARFSA)/Globe Water Partnership – Southern Africa (GWP – SA) held in Maputo Mozambique from 26 to 28 October, 2011.

Gulula, L.C., Saka, J.D.K. and Chokotho, N. Antibacterial activity of some medicinal plants used locally in treatment of diarrhea. Paper presented at the First International Chemistry Conference - Chemistry for social economic development held in Blantyre, Malawi in June, 2006.

JOHN KAMANULA, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0003-3193-1759>

RESEARCH INTERESTS

- Pesticides (both synthetic and botanicals);
- Water quality
- Indigenous Knowledge (Gender and use of botanicals and medicinal plants).
- Medicinal and pesticidal plants
- Food processing and fortification.

Title of PhD Thesis:

Isolation, identification and use of bioactive compounds from pesticidal plants to control Sitophilus zeamais in stored maize.

Title of Master's Dissertation:

Essential Oils from Cymbopogon nardus, Cymbopogon citratus, Eucalyptus camaldulensis and Eucalyptus citriodora grown in Malawi: Extraction, characterization, and pesticidal activity against Prostephanus truncatus (Larger Grain Borer) in maize.

BOOK CHAPTERS

Stevenson, P.C., Nyirenda, S.P., Mvumi, B.M., Sola, P., **Kamanula, J.F.**, Sileshi, G.W., and Belmain, S.R (2012), “Pesticidal plants: A viable Alternative Insect Pest Management Approach for Resource-poor Farming in Africa”, in Opende et al. (Eds.) *Botanicals in Environment and Food Security*, Jodhpur, India: Scientific Publishers, pp. 212-238.

Maliwichi-Nyirenda, C., Maliwichi, L.L. and **Kamanula, J.F.** (2014), “Plants used for pest management in Malawi”, in Gurib-Fakim, A. (ed.), *Novel Plant Bioresources: Applications in Food, Medicine and Cosmetics*, Hoboken, New Jersey, USA: John Wiley & Sons, Ltd., pp. 295-302.

JOURNAL PUBLICATIONS

Masumbu, F. F. F., Mwamatope, B., Tembo, D., Mwakikunga, A, **Kamanula, J. F. K.** (2023), “Ethanobotanical survey of medicinal plants claimed by traditional herbal practitioners to manage cancers in Malawi”, *Journal of Herbal Medicine*, Vol. 6, pp 1-10.

Masumbu, F. F. F., **Kamanula, J. F. K.**, Mwakikunga, A, Mwamatope, B., Tembo, D. (2023), “Antioxidant activity of selected medicinal plants used by traditional herbal practitioners to treat cancer in Malawi”, *Multidisciplinary Scientific Journal*, Vol. 42, pp 592-604.

Chisamile, W., Sonibare, M. and **Kamanula, J.F.** (2023), “Ethnobotanical study of traditional medicinal plants used for the treatment of infectious diseases by local communities in Traditional Authority (T/A) Mbelwa, Mzimba District, Northern Region, Malawi”, *Multidisciplinary Scientific Journal*. DOI:10.3390

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Kamanula, M., Munthali, C.Y. and **Kamanula, J.F.** (2022), “Yield and physicochemical properties of Marula (*Sclerocarya birrea*) seed oils among nine international provenances tested in Malawi”, *International Journal of Agronomy*, ID 7145113, <http://doi.org/10.1155/2022/7145113>.

Kamanula, M., Munthali, C.Y. and **Kamanula, J.F.** (2022), “Nutritional and phytochemical variation of Marula (*Sclerocarya birrea*) (Subspecies caffra and birrea) fruit among nine international provenances tested in Malawi”, *International Journal of Food Science*, <http://doi.org/10.1155/2022/4686368>.

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Kamanula, M., Munthali, C.R.Y., Dziwapo, A., **Kamanula, J.F.** (2018), “Mineral and phytochemical composition of baobab (*Adansonia digitata* L.) root tubers from selected natural populations of Malawi”, *Malawi Medical Journal*, Vol. 4, pp.73-78.

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Manyozo, F.N., Ambuko, J., Hutchinson¹, M.J. and **Kamanula, J.F.** (2018), “Effectiveness of evaporative cooling technologies to preserve the postharvest quality of tomato”, *Int. J. Agron. Agri. R.*, Vol. 13 No. 2, pp. 136-148.

Kamanula, J.F., Belmain, S.R., Hall, D.R., Farman, D.I., Goyder, D.J., Mvumi, B.M., Masumbu, F.F. and Stevenson, P.C. (2017), “Chemical variation and insecticidal activity of *Lippia javanica* (Burm.f.) Spreng essential oil against *Sitophilus zeamais* Motschulsky”, *Industrial Crops and Products*, Vol. 110, pp. 75-82.

Banda, J., Chigwechokha, P., Singini, W., **Kamanula, J.**, Msiska, O. and Simbeye, J. (2017), “The shelf life of solar tent drier and open sun dried *Diplotaxodon limnothrissa* (Ndunduma)-Pisces; Cichlidae”, *International Journal of Fisheries and aquatic studies*, Vol. 5 No. 5, pp. 212-218.

Chipeta, W.C., Holm, R.H., **Kamanula, J.F.**, Mtonga, W.E. and de los Reyes III, F.L. (2017), “Designing local solutions for emptying pit latrines in low-income urban settlements (Malawi)”, *Physics and Chemistry of the Earth, parts A/B/C*; <http://dx.doi.org/10.1016/j.pce.2017.02.12>.

Guta, D., Munthali, C.R.Y., **Kamanula, J.F.**, Missanjo, E. and Jenya, H. 2016), “Socio-economic importance, abundance and phytochemistry of *Jateorhiza palmata* (Lam.) Miers, a medicinal plant in Nsanje, Malawi”, *International Journal of Scientific Research and Agricultural Sciences*, Vol. 3 No. 3, pp. 73-83.

Kamanula, J.F., Zambasa, O. and Masamba, W.R.L. 2014 (2014), “Quality of Drinking Water and Cholera prevalence in Ndirande Township, City of Blantyre, Malawi”, *Physics and Chemistry of the Earth*, Vols. 72-75, pp. 61-67.

Sola, P., Mvumi, B.M., Ogendo, J.O., Mponda, O., **Kamanula, J.F.**, Nyirenda, S.P., Belmain, S.R. and Stevenson, P.C. (2014), “Botanical pesticide production, trade and regulatory mechanisms in sub-Saharan Africa: making a case for plant-based pesticidal products”, *Food Sec.*, Vol. 6, pp. 369-384.

Belmain, S.R., Amoah, B.A., Nyirenda, S.P., **Kamanula, J.F.** and Stevenson, P.C. (2012), “Highly Variable Insect Control Efficacy of *Tephrosia vogelii* Chemotypes”, *Journal of Agric. Food Chem*, Vol. 60, 10055-10063.

Kamanula, J., Sileshi, G., Belmain, S.R., Sola, P., Mvumi, B.M., Nyirenda, G.K.C., Nyirenda, S.P. and Stevenson, P.C. (2011), “‘Farmers’ Insect Pest management practices and pesticidal plant use in the protection of stored maize and beans in Southern Africa”, *International Journal of Pest Management*, Vol. 57 No. 1, pp. 41-49.

Nyirenda, S.P., Sileshi, G.W., Belmain, S.R., **Kamanula, J.F.**, Mvumi, B.M., Sola, P., Nyirenda, G.K.C. and Stevenson, P.C. (2011), “‘Farmers’ ethno-ecological knowledge of vegetable pests pesticidal plant use in Malawi and Zambia”, *African Journal of Agricultural Research*, Vol. 6 No. 6, pp. 1525-1537.

CHARLES BENJAMIN LUHANA, PhD; MSc; BEd

ORCID: <http://orcid.org/0009-0004-8547-683X>

RESEARCH INTERESTS

- Environmental remediation
- Detection of catecholamines
- Glucose biosensing
- Synthesis carbon nanostructures
- Synthesis of metallophthalocyanines

Title of PhD Thesis:

Graphene derivatives and electrocatalysts as composite electrodes for selective detection of catecholamine neurotransmitters.

Title of Master's Dissertation:

Electrocatalytic application of metallic nanoparticles decorated carbon nanostructured materials for glucose biosensing.

JOURNAL PUBLICATIONS

Luhana, C. and Mashazi, P. (2024), "Conducting Nickel Hydroxide Thin Film on Molybdenum Disulfide–Reduced Graphene Oxide Composite Electrode for Simultaneous Detection of Uric Acid, Dopamine and Ascorbic Acid", *ChemElectroChem*, Vol. 11 No. 16, p. e202400149. <https://doi.org/10.1002/celc.202400149>

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Luhana, C., Moyo, I., Tshenkeng, K. and Mashazi, P. (2022), "In-sera selectivity detection of catecholamine neurotransmitters using covalent composite of cobalt phthalocyanine and aminated graphene quantum dots", *Microchemical Journal*, Vol. 180, p.107605. <https://doi.org/10.1016/j.microc.2022.107605>

Zhang, Y., Bo, X., Luhana, C., Wang, H., Li, M. and Guo, L. (2013), "Facile synthesis of a Cu-based MOF confined in macroporous carbon hybrid material with enhanced electrocatalytic ability", *Chemical Communications*, Vol. 49 No. 61, pp.6885-6887.

Luhana, C., Bo, X.J., Ju, J. and Guo, L.P. (2012), “A novel enzymatic glucose sensor based on Pt nanoparticles-decorated hollow carbon spheres-modified glassy carbon electrode”, *Journal of Nanoparticle Research*, Vol. 14, pp.1-9.

Wang, H., Bo, X., Luhana, C. and Guo, L. (2012), “Nitrogen doped large mesoporous carbon for oxygen reduction electrocatalyst using DNA as carbon and nitrogen precursor”, *Electrochemistry communications*, Vol. 21, pp. 5-8.

Ju, J., Bo, X., Wang, H., Zhang, Y., Luhana, C. and Guo, L. (2012), “Poly-o-toluidine cobalt supported on ordered mesoporous carbon as an efficient electrocatalyst for oxygen reduction”, *Electrochemistry communications*, Vol. 25, pp. 35-38.

Zhang, Y., Bo, X., Luhana, C. and Guo, L. (2011), “Preparation and electrocatalytic application of high dispersed Pt nanoparticles/ordered mesoporous carbon composites”, *Electrochimica acta*, Vol. 56 No. 17, pp.5849 - 5854.

Bai, J., Bo, X., Luhana, C. and Guo, L. (2011), “A novel material based on cupric (II) oxide/macroporous carbon and its enhanced electrochemical property”, *Electrochimica acta*, Vol. 56 No. 21, pp. 7377-7384.

FRIDAY FRED FOSTA MASUMBU, PhD; MSc; BSc (Hons); UCE

ORCID: <https://orcid.org/0000-0002-0541-1461>

RESEARCH INTERESTS:

- Herbal medicine
- Hot-setting and Cold-setting starch-based adhesives
- Starch Chemistry
- Water quality

Title of PhD Thesis:

Phytochemical evaluation of selected medicinal plants used in traditional management of cancers in Northern Malawi.

Title of Master's Dissertation:

Production of Cold-Setting Adhesives Using Starch and Dextrins from Cassava (Manihot esculenta Crantz).

JOURNAL PUBLICATIONS

Masumbu, F. F. F., Mwamatope, B., Tembo, D., Mwakikunga, A, Kamanula, J. F. K. (2023), "Ethanobotanical survey of medicinal plants claimed by traditional herbal practitioners to manage cancers in Malawi", *Journal of Herbal Medicine*, Vol. 6, pp 1-10.

Masumbu, F. F. F., Kamanula, J. F. K., Mwakikunga, A, Mwamatope, B., Tembo, D. (2023), "Antioxidant activity of selected medicinal plants used by traditional herbal practitioners to treat cancer in Malawi", *Multidisciplinary Scientific Journal*, Vol. 42, pp 592-604.

Mwamatope, B., Bvunzawabaya, J. T., Chikowe, I., Chisamile, W. A., Namate, P., Kumwenda, F. D., Muntali, C. S., **Masumbu, F. F. F.**, Mbeya, R. A., Sanudi, T. (2023), "Systematic review and chemoinformatics analysis of anti-allergic medicinal plants used in Malawi", *Scientific African journal*, Vol. 23, pp. 2468-2276.

Mwamatope, B., Bvunzawabaya, J. T., Chikowe, I., Tembo, D. T., Kamanula, J. F. K., **Masumbu, F. F. F.**, Kumwenda, F. D. (2023), "Phytochemical composition and antioxidant activity of edible wild fruits from Malawi", *Hindawi BioMed Research International*, <https://doi.org/10.1155/2023/2621434>.

Mwamatope, B., Tembo, D. T., Chikowe, I., Maliwichi-Nyirenda, C., Kampira, E., **Masumbu, F. F. F.** (2021), “Ethnobotanical study of medicinal plants used for management of cancer in Karonga district, Northern Malawi”, *Anti-Cancer Agents in Medicinal Chemistry*, [https://doi:10.2174/1871520621666210708122037](https://doi.org/10.2174/1871520621666210708122037)

Kamanula, J. F., Belmain, S. R., Hall, D. R., Farman, D. I., Goyder D. J., Mvumi, B. M., **Masumbu, F. F. F.** and Stevenson, P. C. (2017), “Chemical variation and insecticidal activity of *Lippia javanica* (Burm.f) Spreng essential oil against *Sitophilus zeamais* Motschulsky”, *Industrial crops and products*, Vol. 110, pp.75-82.

Sajidu, S. M., **Masumbu, F. F. F.**, Fabiano, E. and Ngongondo, C. (2007), “Drinking water quality and identification of fluoritic areas in Machinga, Malawi”, *Malawi Journal of Science and Technology*, Vol. 8, pp. 42-56.

Masumbu, F. F. F., Masamba, W. R. L. and Fabiano, E. (2003), “Development of maize and cassava starch-based cold-setting adhesives for case sealing”, *Malawi Journal of Agricultural Sciences*, Vol. 2 No. 1, pp. 65-76.

Masamba, W. R. L., **Masumbu, F. F. F.** and Fabiano, E. (2001), “Advantages of cassava starch over maize starch in a hot setting adhesive formulation”, *Malawi Journal of Science and Technology*, Vol. 6, pp. 91- 97.

CONFERENCE PAPERS

Masumbu, F. F. F, Tembo, D. T, Mwakikunga, A, Kamanula, J. F, Lampiao, F. Anticancer phytoconstituents and heavy metals’ determination in selected medicinal plants used by traditional herbal practitioners to manage some cancers in Mzimba and Nkhata Bay districts, Malawi. A Poster presented at the Second Research Dissemination Conference, Blantyre Campus, under the theme: Tackling the Mw2063 Health Sciences Priorities: Through a Multidisciplinary Approach: 30 November–1 December, 2023.

Masumbu, F. F. F, Tembo, D. T, Mwakikunga, A, Mwamatope, B., Kamanula, J. F. Bioactive compounds in selected medicinal plants used by traditional herbal practitioners in Malawi. A Poster presented at the First Research Dissemination Conference, Blantyre Campus, under the theme: Excellence for Life through Multidisciplinary Research and Innovations: 24 November–25 December, 2022.

ELIJAH MALINGA MENARD WANDA, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0001-6897-0984>

RESEARCH INTERESTS

- Environmental and Analytical Chemistry
- Material science and membrane research
- Nanotechnology and nanoscientific innovations.
- Green chemistry and chemical technology/innovations
- Biotechnology

Title of PhD Thesis:

Hydrochemical modelling and removal of emerging micropollutants from water using nitrogen-doped carbon nanotubes/polyethersulfone (N-CNT/PES), silicon dioxide (silica) (SiO₂) and germanium dioxide (GeO₂) embedded polyethersulfone (PES) blend membranes.

Title of Master's Dissertation:

Hydrochemical Characteristics of Groundwater in Mzimba District, Northern Malawi.

BOOK CHAPTER

Wanda, E.M., Mapunda, E.C., Maiga, D.T., Sivasankar, V., Mamba, B.B., Msagati, T.A. and Omine, K. (2017), "Green analytical techniques: Novel and aboriginal perspectives on sustainable development", in Singh, R. and Kumar, S. (Eds.), *Green Technologies and Environmental Sustainability*, Gewerbestrasse, Switzerland: Springer International Publishing, pp. 365-394.

JOURNAL PUBLICATIONS

Wanda, E.M., Mamba, B.B. and Msagati, T.A. (2022), "Comparative analysis of performance of fabricated nitrogen-doped carbon-nanotubes, silicon/germanium dioxide embedded polyethersulfone membranes for removal of emerging micropollutants from water", *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 127, p.103164. <https://doi.org/10.1016/j.pce.2022.103164>

Kayira, F., **Wanda, E.M.M.** (2021), "Evaluation of the performance of Mzuzu Central Hospital wastewater oxidation ponds and its effect on water quality in Lunyangwa River, Northern Malawi" *Physics and Chemistry of the Earth*, Vol. 123 103015.

Wanda, E.M.M., Chavula, G., Tembo, F.M. (2021), “Hydrogeochemical characterization of water quality evolution within Livingstonia coalfield mining areas in Rumphi district, northern Malawi”, *Physics and Chemistry of the Earth*, Vol. 123 103045.

Chawezi O. Sibande, C.O., Mtonga, E., Chidya, R.C.G., Kanzunguze, A., **Wanda, E.M.M.** (2020), “An Assessment of Streamflow Linkage between Land Use or Land Cover Change and In Lilongwe River Basin, Malawi”, *Malawi Journal of Science and Technology*, Vol 12.

Wanda, E.M., Nyoni, H., Mamba, B.B. and Msagati, T.A. (2018), “Application of silica and germanium dioxide nanoparticles/ polyethersulfone blend membranes for removal of emerging micropollutants from water”, *Physics and Chemistry of the Earth, Physics and Chemistry of the Earth*, Vol. 108, pp. 28 - 47.

Chiposa, R., **Wanda, E.M.M.**, Munthali, C., Chipeta, W. (2018), “Situational Analysis of Socio-demographic Characteristics on Access to Pit latrines in Low Income Peri-urban Areas in Mzuzu City, Malawi”, *African Journal of Environmental Health Sciences*, Vol. 5, pp 47-54.

Wanda, E.M., Mamba, B.B. and Msagati, T.A. (2017), “Hydrochemical modelling of water quality in terms of emerging micropollutants in Mpumalanga, Gauteng and North-West Provinces”, *Physics and Chemistry of the Earth, Parts A/B/C*, doi.org/10.1016/j.pce.2016.12.004.

Wanda, E.M., Nyoni, H., Mamba, B.B. and Msagati, T.A. (2017), “Occurrence of Emerging Micropollutants in Water Systems in Gauteng, Mpumalanga, and North-West Provinces, South Africa”, *International journal of environmental research and public health*, Vol. 14 No. 1, p. 79.

Wanda, E.M., Mamba, B.B. and Msagati, T.A. (2017), “Nitrogen Doped Carbon Nanotubes/ Polyethersulfone Blend Membranes for Removing Emerging Micropollutants”, *CLEAN–Soil, Air, Water*, Vol. 45 No. 4, pp. 1-12.

Wanda, E.M., Manda, M., Kamlomo, D., Kushe, J., Mphande, C., Kaunda, J. and Msiska, O. (2017), “Governing WASH for disaster risk reduction in Karonga Town, Malawi”, *International Journal of Disaster Risk Reduction*, Vol 26, pp. 69-77.

Kushe, J., Manda, M., Mdala, H. and **Wanda, E.** (2017), “The earthquake/seismic risk, vulnerability and capacity profile for Karonga town”, *African Journal of Environmental Science and Technology*, Vol. 11 No. 1, pp. 19-32.

Manda, M. and **Wanda, E.** (2017), “Understanding the nature and scale of risks in Karonga, Malawi”, *Environment and Urbanization*, Vol. 29 No. 1, pp. 15-32.

Wanda, E.M., Manda, M., Kushe, J., Msiska, O., Mphande, C., Kamlomo, D. and Kaunda, J. (2017), “Using Citizen Science Approach to monitor water, sanitation and hygiene Related Risks in Karonga Town, Malawi”, *African Journal of Environmental Science and Technology*, Vol. 11 No. 6, pp. 304-323.

Mkwate, R.C., Chidya, R.C. and **Wanda, E.M.** (2016), “Assessment of drinking water quality and rural household water treatment in Balaka District, Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*.

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Wanda, E.M., Mamba, B.B., Msagati, T.A. and Msilimba, G. (2016), “Determination of the health of Lunyangwa wetland using Wetland Classification and Risk Assessment Index”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 92, pp. 52-60.

Holm, R., Kasulo, V. and **Wanda, E.** (2015), “Why financial lending institutions are not willing to provide services to the private sector for rural sanitation and hygiene (Malawi)”, *Sustainable Sanitation Practice*, Vol. 24 No. 10, pp. 9-15.

Holm, R., **Wanda, E.M.**, Kasulo, V. and Gwayi, S. (2014), “Identification of the potential opportunities, barriers, and threats within the sector in taking up sanitation as a business: rural sanitation in Nkhata Bay District (Malawi)”, *Waterlines*, Vol. 33 No. 3, pp. 269-274.

Wanda, E.M., Gulula, L.C. and Kushe, J. (2014), “An assessment of effectiveness of the Lunyangwa River catchment co-management model in Mzuzu City, Northern Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 72, pp. 96-103.

Holm, R., Kasulo, V. and **Wanda, E.** (2014), “Identification of funding mechanisms for private sector participation in the provision of rural household sanitation facilities, in Nkhata Bay District (Malawi)”, *Sustainable Sanitation Practice*, No. 20, pp. 20-31.

Wanda, E. (2014), “Irrigation Water Quality Monitoring for Climate Change Adaptation in Mzimba District, Northern Malawi”, *Malawi Journal of Science and Technology*, Vol. 10 No. 1, pp. 93-101.

Wanda, E.M., Gulula, L.C. and Phiri, A. (2013), “Hydrochemical assessment of groundwater used for irrigation in Rumphi and Karonga districts, Northern Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 66, pp. 51-59.

Msilimba, G. and **Wanda, E.M.** (2013), “Microbial and geochemical quality of shallow well water in high-density areas in Mzuzu City in Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 66, pp. 173-180.

Wanda, E.M., Gulula, L.C. and Phiri, G. (2012), “Determination of characteristics and drinking water quality index in Mzuzu City, Northern Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 50, pp. 92-97.

Wanda, E.M., Gulula, L.C. and Phiri, G. (2012), “An appraisal of public water supply and coverage in Mzuzu City, northern Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 50, pp. 175-178.

Wanda, E., Monjerezi, M., Mwatseteza, J.F. and Kazembe, L.N. (2011), “Hydro-geochemical appraisal of groundwater quality from weathered basement aquifers in Northern Malawi”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 36 No. 14, pp. 1197-1207.

CONFERENCE PAPERS

Wanda, E.M.M., Manda, M., Kushe, J., Msiska, O., Mphande, C., Kamlomo, D. and Kaunda, J. Using Citizen Science Approach to monitor water, sanitation and hygiene Related Risks in Karonga Town, Malawi. Paper presented at the Royal Geographical Society (with the Institute of British Geographers) conference held in London, 29 August to 1 September, 2017.

Wanda, E., Nyoni, H., Mamba, B.B. and Msagati, T.A.M. Preparation of SiO₂ and GeO₂ embedded polyethersulfone nanocomposite membranes for removal of emerging micropollutants from water. Paper presented at the 17th WaterNet/WARFSA/GWPSA Symposium: Integrated Water Resources

Management: Water Security, Sustainability and Development conference held at the Gaborone International Convention Centre, Gaborone, Botswana, 26 to 28 October, 2016.

Holm, R., Kasulo, V. and **Wanda, E.** Private Sector Participation in the delivery of Sanitation and Hygiene Services in Nkhata Bay district, Malawi. Paper presented at the Word Water Week: Water for Development conference held in Stockholm, Sweden, 23 to 28 August, 2015.

Wanda, E., Nyoni, H., Mamba, B.B. and Msagati, T.A.M. Profiling of emerging micropollutants in aquatic systems in South Africa. Paper presented at the 16 WaterNet/WARFSA/GWP-SA Symposium: Infrastructural Planning for Water Security in Eastern and Southern Africa held the Le Meridien Ile Maurice Hotel, Mauritius, 28 to 30 October, 2015.

Holm, R., McGill, J. and **Wanda, E.** Functional Water Sources That Don 't Work: A case for household self-supply through the Mzuzu Smart Centre, Malawi. Paper presented at the 37th WEDC International Conference on Sustainable water and sanitation for all in the fast-changing world held in Hanoi, Vietnam, 15 to 19th September, 2014.

Holm, R. and **Wanda, E.** The Case for More Water Quality Data: Improving Decision Making in Malawi. Paper presented at the 2012 IEEE Global Humanitarian Technology Conference held at the Renaissance Hotel - Seattle, WA, USA, 21 to 24 October, 2012.

DEPARTMENT OF ENERGY SYSTEMS

The Department of Energy Systems was established in September 2004. The Department offers courses in renewable energy technologies at undergraduate level. It also offers short training courses in the design and installation of renewable energy technologies. Profiles and research interests of staff are listed below.

RESEARCH ACTIVITIES

Members of staff in the Department of Energy Systems are actively involved in research, consultancy and publication activities. The research output of the department is in the areas of solar, wind, hydropower, geothermal, biomass and energy technologies for rural communities, energy efficiency and conservation, energy systems innovation and technology transfer approaches, energy systems modelling, energy economics and policies.

MAXON CHITAWO, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0002-0603-9446>

RESEARCH INTERESTS

- Bioenergy Systems
- Renewable and Sustainable Energy

Title of PhD Thesis:

Systems approach in developing a model for sustainable production of bioenergy in Malawi.

Title of Master's Dissertation:

Biomass system design; full chain production for woodchip.

BOOK CHAPTER PUBLICATIONS

Hara, C., Gogoda, C. and **Chitawo, M.L.** (2024), "Pioneering Community Energy for Development in Malawi", in Broto, V.C. (Eds.), *Community Energy and Sustainable Energy Transitions: Experiences from Ethiopia, Malawi and Mozambique*, Cham: Springer Nature Switzerland, pp. 195-219.

Shenga, C., Howe, L., Baptista, I., Bekele, G. and **Chitawo, M.L.** (2024), "Regulating Community Energy at the National Level Comparing Ethiopia, Malawi and Mozambique", in Broto, V.C. (Eds.), *Community Energy and Sustainable Energy Transitions: Experiences from Ethiopia, Malawi and Mozambique*, Cham: Springer Nature Switzerland, pp. 123-145.

JOURNAL PUBLICATIONS

Zalengera, C., **Chitawo, M.L.**, Chitedze, I., To, L.S., Mwale, V., Gondwe, K.T. and Maroyi, T. (2021), "Unbending the Winding Path of a Low-Income Country's Energy Sector amid the COVID-19 Pandemic: Perspectives from Malawi" *Energies*, Vol. 14, 7184. <https://doi.org/10.3390/en14217184>

Chidya, R.C.G., Munthali, A.K., Chitedze, I. and **Chitawo, M.L.** (2020), "Design and Efficacy of Solar Disinfection System for Improved Rural Household Water Treatment. Journal of Sustainable Development of Energy", *Water and Environment Systems*, Vol 9, Issue 4, 1080369. <http://dx.doi.org/10.13044/j.sdewes.d8.0369>.

Chitawo, M. L., Chimphango, A. F. and Peterson, S. (2018), "Modelling sustainability of primary forest residues-based bioenergy system", *Biomass and Bioenergy*, Vol. 108, pp. 90 -100.

Chitawo, M. L. and Chimphango, A. F. (2017), "A synergetic integration of bioenergy and rice production in rice farms", *Renewable and Sustainable Energy Reviews*, Vol. 75, pp. 58-67.

Zalengera, C., Blanchard, R.E., Eames, P.C., Juma, A.M., **Chitawo, M.L.** and Gondwe, K.T. (2014), “Overview of the Malawi energy situation and A PESTLE analysis for sustainable development of renewable energy”, *Renewable and Sustainable Energy Reviews*, Vol. 38, pp.335-347.

CONFERENCE PAPERS

Mlowa, T.K., **Chitawo, M.L.** and Kasulo, V. (2024), “Policy Analysis on Clean Cooking in Malawi: Case of Improved Cookstoves”, in *E3S Web of Conferences* (Vol. 487, p. 02003). EDP Sciences.

Chitawo, M.L., Chimphango, A.F.A. and Peterson, S.O. Systems approach model for sustainable production of bioenergy from primary forest residues from Viphya plantations in Malawi. Paper presented at the 4th Annual System Dynamics Conference held at Stellenbosch University, South Africa, from 17 to 18 November, 2016.

Chitawo, M.L. and Chimphango, A.F.A. A Systems approach mapping of primary forest residues supply chain for sustainable production of bioenergy in Malawi. Paper presented at the 2nd International Congress and Expo on Biofuels and Bioenergy held in Sao Paulo, Brazil, from 29 to 31 August, 2016.

ISAAC CHITEDZE, MSC; BSc

ORCID: <https://orcid.org/0000-0002-0709-7541>

RESEARCH INTERESTS

- Energy systems modeling and simulation
- Energy economics and policies
- Financial modeling and evaluation
- Sustainable energy access planning
- Sustainable livelihoods and renewable energy development

Title of Master's Dissertation:

Analysing Feed-in Tariff Policy to Accelerate Renewable Deployment and Electricity Access in Malawi.

JOURNAL PUBLICATIONS

Zalengera, C., Chitawo, M.L., **Chitedze, I.**, To, L.S., Mwale, V., Gondwe, K.T. and Maroyi, T. (2021), "Unbending the Winding Path of a Low-Income Country's Energy Sector amid the COVID-19 Pandemic: Perspectives from Malawi" *Energies*, Vol. 14, 7184. <https://doi.org/10.3390/en14217184>

Chidya, R.C.G., Munthali, A.K., **Chitedze, I.** and Chitawo, M.L. (2020), "Design and Efficacy of Solar Disinfection System for Improved Rural Household Water Treatment. Journal of Sustainable Development of Energy", *Water and Environment Systems*, Vol 9, Issue 4, 1080369. <http://dx.doi.org/10.13044/j.sdewes.d8.0369>.

Chukwuemeka N. C., **Chitedze I.** and Khaldoun A. M. (2019), "An Econometric Analysis of the Macroeconomic determinants of Carbon Dioxide Emissions in Nigeria", *Science of the Total Environment Journal*, Vol. 675, pp. 313-324.

Ang'u, C., Muthama, N.J., Oludhe, C. and **Chitedze, I.** (2020), "The role of diversity, reserve margin and system structure on retail electricity tariffs in Kenya", *Heliyon*, Vol. 6 No. 8, e04626.

Chidya, R.C.G., Singano, L., **Chitedze I.** and Mourad, K.A. (2019), "Standards Compliance and Health Implications of Bottled Water in Malawi", *Int. J. Environ. Res. Public Health*, Vol. 16 No. 6, p. 951.

KONDWANI GONDWE, MEngSc; BSc

RESEARCH INTERESTS

- Geothermal energy resources
- Energy audit and energy systems modelling
- Energy management systems
- Solar-thermal cooking technologies
- Wind energy

Title of Master's Dissertation:

Performance and economic analysis of the Glucksman Art Gallery geothermal heating and cooling systems.

BOOK CHAPTER

Gondwe, K.T. (2015), “Geothermal energy utilization model for Nkhotakota Geothermal Springs in Malawi”, in *Geothermal training in Iceland 2015*, UNU-GTP, Iceland, pp. 181-219.

JOURNAL PUBLICATIONS

Zalengera, C., Chitawo, M.L., Chitedze, I., To, L.S., Mwale, V., **Gondwe, K.T.** and Maroyi, T. (2021), “Unbending the Winding Path of a Low-Income Country’s Energy Sector amid the COVID-19 Pandemic: Perspectives from Malawi” *Energies*, Vol. 14, 7184. <https://doi.org/10.3390/en14217184>

Zalengera, C., Blanchard, R.E., Eames, P.C., Juma, A.M., Chitawo, M.L. and **Gondwe, K.T.** (2014), “Overview of the Malawi Energy Situation and a PESTLE Analysis for Sustainable Renewable Energy Development”, *Renewable and Sustainable Energy Reviews*, Vol. 38, pp. 345-347.

CONFERENCE PAPERS

Gondwe, K.T., Allen, A., Georgsson, L.S., Chakhala, H. and Tsokonombwe, G. Geothermal Development in Malawi – a country update. Paper presented at the World Geothermal Congress held in Melbourne, Australia from 19 – 25 April 2015.

Gondwe, K.T. Geothermal energy utilisation model for Nkhotakota Geothermal Springs in Malawi. Paper presented at the United Nations University Geothermal Training Programme in Reykjavik, Iceland in 2015.

Gondwe, K.T., Allen, A., Burgess, J., Browne, D. and Sikora, P. The Glucksman Art Gallery, University Cork, Ireland: An Innovative Space Heating Development. Paper presented at the World Geothermal Congress held in Bali, Indonesia from 25 to 29 April, 2010.

SHAIBU ALI JUMA, MSc; B. Eng (Hons)

ORCID: <https://orcid.org/0000-0001-5112-1054>

RESEARCH INTERESTS

- Power Systems
- Electronics
- Renewable Energy
- Internet of Things
- Artificial Intelligence

Title of Master's Thesis:

Optimal Network Reconfiguration Using Shark Smell Optimization Algorithm in the presence of Distributed Generation.

JOURNAL PUBLICATIONS

Ruta, W., Saulo, M., Odero, N.A. and **Juma, S.A.** (2019), “Combined Economic and Emissions Dispatch with Valve Point Effect using a Novel Moth Flame Optimization and Bat Hybrid Algorithm”, *International Journal of Scientific and Research Publications*, Vol. 9 No. 3, pp. 162-168.

Juma, S. A., Muriithi, C. M. and Ngoo, L. M. (2018), “Optimal Switching Sequence Using a Metaheuristic Algorithm for Feeder Reconfiguration”, *International Journal of Engineering Research and Technology*, Vol. 11 No. 8, pp. 1329-1346.

CONFERENCE PAPERS

Juma, S.A., Ayeng'o, S.P. and Kimambo, C.Z. (2024), “A review of control strategies for optimized microgrid operations”, *IET Renewable Power Generation*, pp. 1-34.

Juma, S.A., Mundira, A. and Mharakurwa, E.T. (2022), “Development of a Low-Cost Arduino Based Power Theft Monitoring Meter”, in *Proceedings of the Sustainable Research and Innovation Conference*, pp. 93-97.

Juma, S.A., Ollengo, N.K. and Chepchirchir, S. (2022), “Water Level and Quality Monitoring System using Message Queuing”, in *Proceedings of the Sustainable Research and Innovation Conference*, pp. 113-121.

Mharakurwa, E.T. and Juma, S.A. (2021), “A Weighting Factor-Fuzzy logic-based Transformer Residual Life Estimation Model”, in *2021 IEEE PES/IAS PowerAfrica*, pp. 1-5.

Juma, S.A., Ngoo, L.M. and Muriithi, C.M. (2022), “A review on optimal network reconfiguration in the radial distribution system using optimization techniques”, in *Proceedings of the Sustainable Research and Innovation Conference*, pp. 34-40.

TIMEYO MKAMANGA MAROYI, MSc; BSc

RESEARCH INTERESTS

- Engineering Design
- Thermal Systems

JOURNAL PUBLICATIONS

Maroyi, T.M., Suriwong, T., Pongtornkulpanich, A., Somkun, S. and Mohammed, Y.G.A. (2016), "Evaluation of Solar Fraction on a Solar Driven Dual Parallel Connected Ejector Cooling System", *Applied Mechanics and Materials*, Vol. 839, pp. 94-99.

Mohammed, Y.G.A., Suriwong, T., Somkun, S. and **Maroyi, T.M.** (2016), "Exergy Analysis of a Solardriven Dual Parallel-connected Ejector Refrigeration System", *Applied Mechanics and Materials*, Vol. 839, pp 100 – 106.

CONFERENCE PAPERS/ PROCEEDINGS

Maroyi, T.M., Suriwong, T., Pongtornkulpanich, A., Somkun, S. and Mohammed, Y.G.A. Evaluation of solar fraction on a solar driven dual parallel connected ejector cooling system. Paper presented at the International Conference on Energy: World Future Alternatives held at the Naresuan University, Thailand from 30 November to 2 December, 2015.

Mohammed, Y.G.A., Suriwong, T., Somkun, S. and **Maroyi, T.M.** Exergy analysis of a solar-driven dual parallel-connected ejector refrigeration system. Paper presented at the International Conference on Energy: World Future Alternatives held at the Naresuan University, Thailand from 30 November to 2 December, 2015.

VINCENT DODOMA MWALE, MSc., BSc.

ORCID: <https://orcid.org/0009-0006-4626-0678>

RESEARCH INTERESTS

- Renewable energy innovations,
- Energy demand modelling,
- Resilience of small hydropower and wind power projects
- Sustainable livelihoods with mini-grids
- Energy regulations

Title of PhD Thesis (Ongoing):

Harnessing the nexus between mini-grids and community energy resilience: A case of Bondo Hydro Mini-grid.

Title of Masters' Dissertation:

Performance Test of 1 kW Wind Turbine Prototype.

JOURNAL ARTICLES

Mwale, V., Blanchard, R., Ngonda, T., Nkhoma, R., Ogunna, C. and To, L.S. (2024), "The quest for sustainable development and low-carbon energy transitions: investigating the success factors and challenges for mini-grids in Malawi", *Sustainability*, Vol. 16 No. 12, 5060. <https://doi.org/10.3390/su16125060>

Nkhoma, R., **Mwale, V.D.** and Ngonda, T. (2024), "Socioeconomic indicators and their influence on the adoption of renewable energy technologies in rural Malawi", *International Journal of Energy Sector Management*, Vol. ahead-of-print, No. ahead-of-print, <https://doi.org/10.1108/IJESM-10-2023-0001>

Mwale, V.D., To, L.S., Gogoda, C., Ngonda, T. and Nkhoma, R. (2024), "Community resilience in Bondo community, Southern Malawi: balancing energy, water and biodiversity", *Community Resilience*, DOI: 10.1108/IJESM-10-2023-0007

Nkhoma, R., Ngonda, T., **Mwale, V.D.**, Falayi, T. and Siyasiya, C. (2024), "Development of an efficient e-waste recycling and beneficiation method into separable precious metals" *e3s-conferences*, Vol 505, <https://doi.org/10.1051/e3sconf/202450501036>

Zalengera, C., Chitawo, M.L., Chitedze, I., To, L.S., **Mwale, V.**, Gondwe, K.T. and Maroyi, T. (2021), “Unbending the Winding Path of a Low-Income Country’s Energy Sector amid the COVID-19 Pandemic: Perspectives from Malawi” *Energies*, Vol. 14, <https://doi.org/10.3390/en14217184>

CONFERENCE PAPERS

Mwale, V. Linkages of Rural Electrification to Wider Development Goals: Practical Lessons with Mini-Grids. Paper presented at the Global Renewable Centre (GRC) Workshops held at Sunbird Mzuzu Hotel 13th to 27th March, 2024.

Mwale, V. Renewable energy systems and community energy resilience: Harnessing the nexus between Mini-grids and community energy resilience: A case of Bondo hydro mini-grid. Paper presented at the CRS Shelter Cluster meeting held at Sigelege Beach Resort from 2nd to 6th October, 2023.

COLLEN ZALENGERA, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0001-8112-8230>

RESEARCH INTERESTS

- Diffusion of innovations
- Sustainable livelihoods
- Renewable energy development

Title of PhD Thesis:

A Study into the techno-economic feasibility of photovoltaic and wind generated electricity for enhancement of sustainable livelihoods on Likoma Island in Malawi.

Title of Master's dissertation:

Role of renewable energy for sustainable livelihood: a case study for developing countries; Malawi in particular.

BOOK CHAPTER

Samarakoon, S., Zalengera, C. (2022), "Framing Energy Justice: Perspectives from Malawi's Off-Grid Solar Market", in Ojong, N. (Eds.), *Off-Grid Solar Electrification in Africa. Energy, Climate and the Environment*, Cham: Springer, pp. 167-196.

Zalengera C., Blanchard R.E., Eames P.C. (2015), "Putting the end-user first: towards addressing contesting values in renewable energy systems deployment for low-income households - a case from Likoma Island, Malawi", in Hostettler, S., Gadgil, A., Hazboun, E. (Eds.), *Sustainable Access to Energy in the Global South*, Heidelberg, Germany: Springer, pp. 101 - 110.

JOURNAL PUBLICATIONS

Munro, P.G., Samarakoon, S., Hansen, U.E., Kearnes, M., Bruce, A., Cross, J., Walker, S. and **Zalengera, C.** (2023), "Towards a repair research agenda for off-grid solar e-waste in the Global South", *Nature Energy*, Vol. 8 No. 2, pp.123-128.

Gebreslassie, M.G., Cuvilas, C., **Zalengera, C.**, To, L.S., Baptista, I., Robin, E., Bekele, G., Howe, L., Shenga, C., Macucule, D.A. and Kirshner, J. (2022), "Delivering an off-grid transition to sustainable energy in Ethiopia and Mozambique", *Energy, Sustainability and Society*, Vol. 12 No. 1, pp.1-18.

Samarakoon, S., Munro, P., **Zalengera, C.** and Kearnes, M. (2022), “The afterlives of off-grid solar: The dynamics of repair and e-waste in Malawi”, *Environmental Innovation and Societal Transitions*, Vol. 42, pp.317-330.

Malanda, C., Makokha, A.B., Nzila, C. and **Zalengera, C.** (2021), “Techno-economic optimization of hybrid renewable electrification systems for Malawi’s rural villages”, *Cogent Engineering*, Vol. 8 No. 1, p.1910112.

Zalengera, C., Chitawo, M.L., Chitedze, I., To, L.S., Mwale, V., Gondwe, K.T. and Maroyi, T. (2021), “Unbending the Winding Path of a Low-Income Country’s Energy Sector amid the COVID-19 Pandemic: Perspectives from Malawi”, *Energies*, Vol. 14 No. 21, p.7184.

Zalengera, C., To, L.S., Sieff, R., Mohr, A., Eales, A., Cloke, J., Buckland, H., Brown, E., Blanchard, R. and Batchelor, S. (2020), “Decentralization: the key to accelerating access to distributed energy services in sub-Saharan Africa?” *Journal of Environmental Studies and Sciences*, Vol. 10, pp. 270-289.

Zalengera, C., Blanchard, R.E., Eames, P.C., Juma, A.M., Chitawo, M.L. and Gondwe, K.T. (2014), “Overview of the Malawi energy situation and A PESTLE analysis for sustainable development of renewable energy”, *Renewable and Sustainable Energy Reviews*, Vol. 38, pp.335-347.

CONFERENCE PAPERS

Zalengera, C., Blanchard R.E., Eames P.C. Investigating the feasibility of solar photovoltaic and wind electricity integration for Likoma Island in Malawi: techno-economic analysis applying the Hybrid Optimization Model for Electric Renewables (HOMER). Paper presented at the World Renewable Energy Congress, Renewable Energy in Service of Mankind held at the University of Kingston, London, 3 to 8 August, 2014.

Zalengera, C., Blanchard R.E. and Eames P.C. Putting the end-user first: Towards addressing the contesting values in renewable energy systems deployment for low-income households: A case of Likoma Island in Malawi. Paper presented at the 2014 UNESCO Tech4Dev International Conference held in Lausanne, Switzerland, 4 to 6 June, 2014.

Zalengera, C., Blanchard R.E. and Eames, P.C. Understanding peoples purchasing power for energy: how important is it for development of renewable energy systems for sustainable livelihoods? The case of Likoma Island. Poster presentation at the 3rd Low Carbon energy development network conference organised by the Wellcome Trust held in London, United Kingdom, 24 to 25 June, 2013.

Zalengera, C. Delivery mechanisms for household-based renewable energy systems: experiences from Zatuba in Malawi. Poster presentation at the 1st Low Carbon Energy Development Network Conference held at Loughborough University, Loughborough, United Kingdom, 4 to 5 April, 2012.

Zalengera, C., Blanchard, R.E., Eames, P.C. Sustainable livelihood approach to renewable energy technology development- experiences from Malawi. Paper presented at the 2012 Tech4Dev, Technologies for Sustainable Development: A Way to Reduce Poverty? Held at EPFL, Lausanne, Switzerland, 29 to 31 May, 2012.

Zalengera, C., Blanchard R.E., Eames, P.C. Leaning the ladder for human socioeconomic development on better walls: sustainability options and opportunities for developing countries. Poster presentation at the 2012 Planet under Pressure Conference: New Knowledge towards Solutions held at the ICC Excel Centre, London, United Kingdom, 26 to 29 March, 2012.

Zalengera, C. (2011). Community energy solutions examples in Malawi: renewable energy as an option for rural electrification. Presentation at the Malawi-Scottish Partnership Energy Conference held at Sunbird Capital Hotel, Malawi, 4 April, 2011.

Leyel, Y., Slukan, V., **Zalengera, C.,** Planner, S. S. Sustainable and energy efficient development for informal settlements in Mozambique. Paper presented at the Young Engineers' Project Conference, 2011 World Engineers' Convention - Engineers Power the world, held in Geneva, Switzerland, 4 to 9 September, 2011.

Zalengera, C. Impact of renewable energy on sustainable livelihood in Malawi. Paper presented at the COMESA/SADC Youth Conference on Climate Change held at Cresta Hotel, Malawi, 17 to 19 November 2010.

Zalengera, C. Sustainable livelihood approach in spearheading science & technology and empowering the youth. Paper presented at the Commonwealth Scholars Science and Technology Network Conference held at Cumberland lodge in London, United Kingdom, 11 to 14 March, 2010.

DEPARTMENT OF INFORMATION AND COMMUNICATION TECHNOLOGIES

The Department of Information and Communication Technologies offers programmes that equip graduates with requisite skills and knowledge to deliver services on the job market that transforms the ICT sector of the country and beyond. Besides teaching, the Department offers consultancy services on demand to the public and ICT sector. The Department also runs some projects that benefit the community in which it operates.

RESEARCH ACTIVITIES

The main focus of research by staff within the Department is in the areas of use of ICT for development, end-user computing, Information Systems, information security, Artificial Intelligence, Data Science, cloud computing, programming and use of mobile technologies.

EMMANUEL NGALANDE, MSc; BSc

ORCID: <https://orcid.org/0000-0002-3106-1645>

RESEARCH INTERESTS

- Machine Learning
- DL model optimisation
- ICT4D
- Internet Applications
- Multi-Armed Bandit (MAB)

Title of PhD Thesis (ongoing):

Optimal application of deep learning models for maize fall armyworm detection and segmentation in smallholder farms in Malawi using UAV imagery.

Title of Master's Dissertation:

Online Learning for Wireless Access Point Association using Multi-Armed Bandit (MAB) models.

JOURNAL PUBLICATIONS

Mastellos, N., Tran, T., Dharmayat, K., Dharmayat, K., Cecil, E., Lee, H., Wong, C.C.P., Mkandawire, W., **Ngalande, E.**, Wu, J.T., Hardy, V., Chirambo, B.G., O'Donoghue, J.M. (2018), "Training community healthcare workers on the use of information and communication technologies: a randomised controlled trial of traditional versus blended learning in Malawi, Africa", *BMC Med Educ*, Vol. 18. <https://doi.org/10.1186/s12909-018-1175-5>

CONFERENCE PAPERS

Ngalande, E. and Manda, T. T. A. Comparative Analysis of convolutional neural networks for maize fall armyworm detection and segmentation using uav imagery in smallholder farms in Malawi. Paper presented at the 5th IndabaX Malawi Symposium "Trends in Machine Learning and Artificial Intelligence" held in Malawi from 23rd to 24th August, 2024.

Kapondera, S.K. and **Ngalande, E.** Adoption of mobile technologies in Malawian academic libraries: The case of Mzuzu University library and learning resources centre. Paper presented at the Standing Conference of the Eastern, Central and Southern Africa Librarians and Institutions held in Swaziland, 25 to 29 April, 2016.

CHIMANGO NYASULU, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0001-8838-2848>

RESEARCH INTERESTS

- eHealth
- Education Technology
- Natural Language Processing
- Machine Learning
- Artificial Intelligence

Title of PhD Thesis:

Towards Resilient Agriculture to Hostile Climate Change Through Machine Learning-based Weather Prediction and Crop Disease Classification and Quantification of Severity.

Title of Master's Dissertation:

Analyzing the use of Information and Communication Technology in community health in Malawi.

JOURNAL PUBLICATIONS

Kamana, A.A., Radoine, H. and **Nyasulu, C.** (2023), "Urban challenges and strategies in African cities - A systematic literature review", *City and Environment Interactions*, p.100132.

Nyasulu, C., Diattara, A., Traore, A., Ba, C., Diedhiou, P.M., Sy, Y., Raki, H. and Peluffo-Ordóñez, D.H. (2023), "A comparative study of Machine Learning-based classification of Tomato fungal diseases: Application of GLCM texture features", *Heliyon*, Vol. 9 No. 11.

Nyasulu, C., Diattara, A., Traore, A., Deme, A. and Ba, C. (2022), "Towards Resilient Agriculture to Hostile Climate Change in the Sahel Region: A Case Study of Machine Learning-Based Weather Prediction in Senegal", *Agriculture*, Vol. 12 No. 9, p.1473.

Matidza, I., Ping, T. and **Nyasulu, C.** (2020), "Use of digital marketing in estate agency industry in Malawi", *E-Learning and Digital Media*, Vol. 17 No. 3, pp. 253-270.

Chawinga, W. D., Chawinga, C., Kapondera, S. K., Chipeta, G. T., Majawa, F. and **Nyasulu, C.** (2019), "Towards e-judicial services in Malawi: Implications for justice delivery", *The Electronic Journal of Information Systems in Developing Countries*, e12121. <https://doi.org/10.1002/isd2.12121>.

Nyasulu, C., Chawinga, W. and Chipeta, G. (2019), “A tracer study of ICT graduate students at Mzuzu”, *Mousaion*, Vol. 36 No. 3, pp. 1-19.

Nyasulu, C. and Chawinga, W.D. (2019), “Using the Decomposed Theory of Planned Behaviour to understand university students’ adoption of WhatsApp in learning”, *E-Learning and Digital Media*, Vol. 16 No. 5, pp. 413 - 429.

Nyasulu, C. and Chawinga, W.D. (2018), “The role of information and communication technologies in the delivery of health services in rural communities: Experiences from Malawi”, *South African Journal of Information Management*, Vol. 20 No. 1, pp. 1-10.

CONFERENCE PAPERS

Nyasulu, C., Diattara, A., Traore, A., Deme, A. and Ba, C. (2022), “Exploring Use of Machine Learning Regressors for Daily Rainfall Prediction in the Sahel Region: A Case Study of Matam, Senegal”, In *Pan-African Artificial Intelligence and Smart Systems Conference*, Cham: Springer Nature Switzerland, pp. 78-92.

Nyasulu, C., Diattara, A., Traore, A., Deme, A. and Ba, C. (2022), “A Comparative Study of Regressors and Stacked Ensemble Model for Daily Temperature Forecasting: A Case Study of Senegal”, in *Pan-African Artificial Intelligence and Smart Systems Conference* (pp. 61-77). Cham: Springer Nature Switzerland.

Nyasulu, C., Diattara, A., Traore, A. and Ba, C. (2021), “Enhancing Farmers Productivity Through IoT and Machine Learning: A State-of-the-Art Review of Recent Trends in Africa”, in *International Conference on Research in Computer Science and its Applications*, Cham: Springer, pp. 113 -124.

DEPARTMENT OF MATHEMATICS AND STATISTICS

The Department of Mathematics and Statistics is one of the oldest departments at Mzuzu University. It was founded in 1999, the year Mzuzu University was officially opened. It serves students in all the six faculties of the University.

RESEARCH ACTIVITIES

The Department of Mathematics and Statistics is engaged in research in various areas of Mathematics. Particular focus has so far been on Codes and Cryptography, Applied Statistics and Probability, Data science, and Mathematics Education.

ATIPATSA CHIWANDA KAMINGA, PhD; MSc (ITCC); BSc (Ed)

RESEARCH INTERESTS

- Statistics and Probability
- Theory applications to Medical Sciences
- Number Theory
- Geometry applications to Cryptography
- Coding Theory

Title of PhD Thesis:

Treatment delay, symptomatic remission, quality of life, global functioning and their determinants in first-episode psychosis in Northern Malawi.

Title of Master's Dissertation:

Thesis Part-1: *Improved bound on the determinant of a Lattice with short vectors in the cryptanalysis of RSA with private key d less than $N^{0.292}$.*

Thesis Part-2: *Subsets of Goppa codes whose dimension and minimum distance equal the minimum bounds.*

JOURNAL PUBLICATIONS

Chen, L., Tang, L., Guo, S., Kaminga, A.C. and Xu, H. (2019), "Primary dysmenorrhea and self-care strategies among Chinese college girls: a cross-sectional study", *BMJ Open*, Vol 9 No. 9, Doi: 10.1136/bmjopen-2018-026813

Dem, K., Wu, Y., **Kaminga, A.C.**, Dai, Z., Cao, X. and Zhu, B. (2019), "The push out bond strength of polydimethylsiloxane endodontic sealers to dentin", *BMC Oral Health*, Vol 19 No. 181, Doi: <https://doi.org/10.1186/s12903-019-0867-5>

Pan, X., **Kaminga, A.C.**, Wen, S.W., Wu, X., Acheampong, K. and Liu, A. (2019), "Dopamine and Dopamine Receptors in Alzheimer's Disease: A Systematic Review and Network Meta-Analysis", *Frontiers in Aging Neuroscience*, Vol 11 No. 175, Doi: 10.3389/fnagi.2019.00175

Wang, Z., Wu, X., Dai, W., **Kaminga, A.C.**, Wu, X., Pan, X., Liu, Z., Wen, S., Hu, S., Liu, A. (2019), "The Prevalence of Posttraumatic Stress Disorder Among Survivors After a Typhoon or Hurricane: A

Systematic Review and Meta-Analysis”, *Disaster Medicine and Public Health Preparedness*, Vol 1 No. 9, Doi: 10.1017/dmp.2019.26

Acheampong, K., Nyamari, J.M., Ganu, D., Appiah, S., Pan, X., **Kaminga, A.** and Liu, A. (2019), “Predictors of Hypertension among Adult Female Population in Kpone-Katamanso District, Ghana”, *International Journal of Hypertension*. Doi: 10.1155/2019/1876060

Acheampong, K., Baffour-Awuah, D., Ganu, D., Appiah, S., Pan, X., **Kaminga, A.** and Liu, A. (2019), “Prevalence and Predictors of Dysmenorrhea, Its Effect, and Coping Mechanisms among Adolescents in Shai Osudoku District, Ghana”, *Obstetrics and Gynaecology International*. Doi: <https://doi.org/10.1155/2019/5834159>

Pan, X., Wu, X., **Kaminga, A.C.**, Wen, S.W. and Liu, A. (2019), “Dehydroepiandrosterone and Dehydroepiandrosterone Sulfate in Alzheimer's Disease: A Systematic Review and Meta-Analysis”, *Frontiers in Aging Neuroscience*, Vol. 11 No. 61, pp. 1-12. Doi: 10.3389/fnagi.2019.00061.

Kaminga, A.C., Dai, W., Liu, A., Myaba, J., Banda, R. and Wen, S.W. (2019), “Effects of socio-demographic characteristics, premorbid functioning, and insight on duration of untreated psychosis in first-episode schizophrenia or schizophreniform disorder in Northern Malawi”, *Early Intervention in Psychiatry*, 1-10. Doi: <https://doi.org/10.1111/eip.12794>

Yang, G., Long, J., Luo, D., Xiao, S. and **Kaminga, A.C.** (2019), “The characteristics and quality of mobile phone applications targeted to men who have sex with men in China: a window of opportunity for health information dissemination?” *JMIR mHealth and uHealth*, Vol. 7 No. 3, e12573. Doi: 10.2196/12573.

Kaminga, A.C., Myaba, J., Dai, W., Liu, A., Chilale, H.K., Kubwalo, P.F., Madula, P., Banda, R., Pan, X. and Wen, S.W. (2019), “Association between referral source and duration of untreated psychosis in pathways to care among first episode psychosis in patients in Northern Malawi”, *Early Intervention in Psychiatry*, pp. 1 – 12. DOI: 10.1111/eip.12885.

Pan, X., **Kaminga, A.C.**, Wen, S.W. and Liu, A. (2018), “Catecholamines in Post-traumatic Stress Disorder: A Systematic Review and Meta-Analysis”, *Frontiers in Molecular Neuroscience*, Vol. 11 No. 450, pp. 1-14. Doi: 10.3389/fnmol.2018.00450

Kaminga, A.C., Dai, W., Liu, A., Myaba, J., Banda, R., Wen, S.W. and Feng, X. (2018), “Rate of and time to symptomatic remission in first-episode psychosis in Northern Malawi: A STROBE-compliant article”, *Medicine (Baltimore)*, Vol. 97 No. 45, pp. 1-9.

Wu, X., **Kaminga, A.C.**, Dai, W., Deng, J., Wang, Z., Pan, X. and Liu, A. (2018), “The prevalence of moderate-to-high posttraumatic growth: A systematic review and meta-analysis”, *Journal of Affective Disorders*, Vol. 243, pp. 408 – 415.

Madula, P., Kalembo, F.W., Yu, H. and Kaminga, A.C. (2018), “Healthcare provider-patient communication: a qualitative study of women’s perceptions during childbirth”, *Reproductive Health*, Vol. 15, pp. 1-10.

Dai, W., Liu, A., **Kaminga, A.C.**, Deng, J., Lai, Z. and Wen, S.W. (2018), “Prevalence of Posttraumatic Stress Disorder among Children and Adolescents following Road Traffic Accidents: A Meta-Analysis”, *Canadian Journal of Psychiatry*, Vol. 63 No. 12, pp. 798-808.

Dai, W., Liu, A., **Kaminga, A.C.**, Deng, J., Lai, Z., Yang, J. and Wen, S.W. (2018), “Prevalence of acute stress disorder among road traffic accident survivors: a meta-analysis”, *BMC Psychiatry*, Vol. 18 No. 188. Doi.org/10.1186/s12888-018-1769-9

Wang, T., Fu, H., **Kaminga, A.C.**, Li, Z., Guo, G., Chen, L. and Li, Q. (2018), “Prevalence of depression or depressive symptoms among people living with HIV/AIDS in China: a systematic review and meta-analysis”, *BMC Psychiatry*, Vol. 18 No. 160. Doi:org/10.1186/s12888-018-1741-8.

PAUL KUBWALO, MSc (ITCC); BSc (Ed)

RESEARCH INTERESTS

- Cryptography
- Error correcting codes
- Data science
- Mathematics Education

Title of Master's Dissertation:

Low Density Parity Check (LDPC) Irreducible Goppa Codes.

BOOK PUBLICATIONS

Kaminga, A., **Kubwalo, P.** and Kumwenda, K. (2017) *Practice Mathematics Book 3*, Blantyre: Dzuka Publishing Company.

Kaminga, A., **Kubwalo, P.** and Kumwenda, K. (2017) *Practice Mathematics Book 4*, Blantyre: Dzuka Publishing Company.

Kaminga, A., **Kubwalo, P.** and Kumwenda, K. (2017) *Practice Mathematics Teacher's Guide*, Blantyre: Dzuka Publishing Company.

JOURNAL PUBLICATIONS

Kaminga, A.C., Myaba, J., Dai, W., Liu, A., Chilale, H.K., Kubwalo, P.F., Madula, P., Banda, R., Pan, X. and Wen, S.W. (2019), "Association between referral source and duration of untreated psychosis in pathways to care among first episode psychosis in patients in Northern Malawi", *Early Intervention in Psychiatry*, pp. 1 – 12. DOI: 10.1111/eip.12885.

Kaunda, A., **Kubwalo, P.**, Lafayette, H., Magamba, K., McInnis, B., Musukwa, A., and Ryan, J.A. (2016), "Enumeration of extended irreducible Goppa codes degree 7 and length 65", *MAYFEB Journal of Mathematics*, Vol 4, pp. 29 – 37.

KHUMBO KUMWENDA, PhD; MSc (ITCC); BSc (Ed)

ORCID <https://orcid.org/0000-0003-0833-9933>

RESEARCH INTERESTS

- Error Correcting Codes
- Codes from graphs
- Mathematics Education

Title of PhD Thesis:

Codes, Graphs and Designs Related to Iterated Line Graphs of Complete Graphs.

Title of Master's Dissertation:

Quasicyclic Irreducible Goppa Codes of Length $q^n - 1$.

BOOK PUBLICATIONS

Kaminga, A., Kubwalo, P. and **Kumwenda, K.** (2017) *Practice Mathematics Book 3*, Blantyre: Dzuka Publishing Company.

Kaminga, A., Kubwalo, P. and **Kumwenda, K.** (2017) *Practice Mathematics Book 4*, Blantyre: Dzuka Publishing Company.

Kaminga, A., Kubwalo, P. and **Kumwenda, K.** (2017) *Practice Mathematics Teacher's Guide*, Blantyre: Dzuka Publishing Company.

JOURNAL PUBLICATIONS

Kumwenda, K. and Namondwe, C. (2022), "The weight distribution of hulls of binary codes from incidence matrices of complete graphs", *Quaestiones Mathematicae*, <http://dx.doi.org/10.2989/16073606.2022.2050434>

Kumwenda, K. and Kaminga, A. (2022), "Content Areas and Performance of Students in the Old Mutual Mathematics Olympiad in Malawi", *African Journal of Research in Mathematics, Science and Technology Education*, Vol. 26 No. 1, pp. 24-34.

Bau, S., Johnson, P., Jones, E., **Kumwenda, K.** and Matzke, R. (2018), "Rainbow connectivity in some Cayley graphs", *Australasian Journal of Combinatorics*, Vol. 71 No. 3, pp. 381 - 393.

Fish, W., **Kumwenda, K.** and Mwambene, E. (2018), “PD-sets for the codes from incidence matrices of triangular graphs”, *Afrika Matematika*, Vol. 29. No. 5, pp. 753-759.

Kumwenda K. and Musukwa A. (2018), “A bipartite graph associated with irreducible elements and group of units in \mathbb{Z}_n ”, *International Journal of Applied Mathematics*, Vol 31 No. 1, 149-169.

Fish, W., **Kumwenda, K.** and Mwambene, E. (2012), “Codes related to line graphs of triangular graphs and permutation decoding”, *Quaestiones Mathematicae*, Vol. 35 No. 4, pp. 489-505.

Fish, W., **Kumwenda, K.** and Mwambene, E. (2012), “Codes from embeddings of the strong product of triangular graphs and K_2 and certain induced subgraphs”, *ARS COMBINATORIA*, Vol. 106, pp.79-95.

Fish, W., **Kumwenda, K.** and Mwambene, E. (2011), “Codes and designs from triangular graphs and their line graphs”, *Central European Journal of Mathematics*, Vol. 6 No. 9, pp. 1411-1423.

CONFERENCE PAPERS/ PROCEEDINGS

Chisala, B.P. and **Kumwenda, K.** (Eds.), Proceedings of the 30th Southern Africa Mathematical Sciences Association (SAMSA) Conference held at the Crossroads Hotel, Lilongwe, Malawi from 26 to 29 November, 2012.

Kumwenda, K. and Mwambene, E. Codes from graphs related to the categorical product of triangular graphs and K_n . Paper presented at the IEEE Information Theory Workshop held in Dublin from 30 August to 3 September, 2010.

GEORGE LUWANDA, PhD; MSc; BSc

RESEARCH INTERESTS

- Statistics and Probability
- Biostatistics

Title of PhD Thesis:

Nonlinear Mixed-Effects Models for Multi-Variate Longitudinal Data with Application to HIV Disease Dynamics

JOURNAL PUBLICATIONS

Luwanda, A.G. and Mwambi, H.G. (2017), “A nonlinear mixed-effects model for multivariate longitudinal data with partially observed outcomes with application to HIV disease dynamics”, *Journal of Applied Statistics*, Vol. 44 No. 3, pp.441-456.

Luwanda, A.G. and Mwambi, H.G. (2016), “Estimation of parameters of the HIV disease dynamical system using routine observation data”, *Africa Journal of Science Research*, Vol. 5 No. 2, pp. 10-13.

Luwanda, A.G. and Mwambi, H.G. (2016), “A Nonlinear Mixed-Effects Model for Multivariate Longitudinal Data with Dropout with Application to HIV Disease Dynamics”, *Journal of Agricultural, Biological, and Environmental Statistics*, Vol. 21 No. 2, pp.277-294.

EDNA CHILENJE MANDA, PhD; MSc; BEd

ORCID: <http://orcid.org/0000-0001-9970-3707>

RESEARCH INTERESTS

- Emerging infectious disease modelling,
- Pharmacokinetics modelling,
- In-host and population models,
- Data-based modelling,
- Multi-scale modelling.

Title of PhD Thesis:

In-host Mathematical Models for Hepatitis B Virus Infection Prognosis: Incorporating Pharmacokinetics of Immune-based Therapies.

Title of Master's Dissertation:

MATHEMATICAL MODELING OF R5 and X4 HIV: From within host dynamics to the epidemiology of HIV infection.

JOURNAL PUBLICATIONS

Manda, E. and Chirove, F. (2021), “A theoretical model of chronic Hepatitis B Virus with Suboptimal adherence and drug resistance”, *Mathematical Methods in the applied science*, Vol. 44 No. 2, pp. 1298 – 1325.

Manda, E.C. and Chirove, F. (2020), “Acute hepatitis B virus infection model within the host incorporating immune cells and cytokine responses”, *Theory Biosci.*, Vol. 139, pp. 153 – 169.

Manda, E.C. and Chirove, F. (2018), “Modelling coupled within host and population dynamics of R5 and X4 HIV infection”, *Journal of Mathematical Biology*, Vol. 76, pp. 1123 – 1158.

NEPHTALE BVALAMANJA MUMBA, PhD; MSc; MSc; B Ed (Sc)

RESEARCH INTERESTS

- Coding Theory
- Graph Theory
- Combinatorics
- Group Theory

Title of PhD Thesis:

Codes, graphs and designs from maximal subgroups of alternating groups.

Titles of Master's Dissertations:

Dissertation 1: *Codes and graphs from alternating groups an for n odd.*

Dissertation 2: *The weight distribution of inequivalent Goppa codes.*

JOURNAL PUBLICATIONS

Mumba, N. B. and Fish, W. (2022), “Binary codes from graphs related to the Johnson graph $\Gamma(n, k, k-1)$ ”, *Discrete Math. Sci. Cryptogr.*, DOI:10.1080/09720529.2021.

Fish, W., **Mumba, N. B.**, Mwambene, E. and Rodrigues, B. G. (2020), “Binary codes and partial permutation decoding sets from biadjacency matrices of bipartite graphs $\Gamma(2k, k, k+1, 1)$ ”, *Quaestiones Mathematicae*, Vol. 43 No. 4, pp. 523 – 538

Mumba, N. B. and Mwambene, E. (2018), “Automorphism groups of graph covers and uniform subset graphs”, *AKCE Int. J. Graphs Comb.*, Vol. 15 No. 1, pp. 27–33.

Mumba, N. B., Fish, W., Mwambene, E. and Rodrigues, B. G. (2017), “Binary codes and partial permutation decoding sets from biadjacency matrices of bipartite graphs $\Gamma(2k + 1, k, k + 2, 1)$ ”, *Graphs Combin.*, Vol. 33, pp. 357–368.

CONFERENCE PAPERS

Mumba, N.B. (2019), “Binary codes and partial permutation decoding sets from adjacency matrices of bipartite graphs $\Gamma(2k, k, k + 1, 1)$,” Proc. SAMS’19, Blantyre, Malawi.

Mumba, N.B. (2019), “Diameters of folded uniform subset graphs $FF(2k, k, k + 1, 1)$,” Proc. SAMS’19, Blantyre, Malawi.

Mumba, N. B. (2016), “Binary codes and partial permutation decoding sets from biadjacency matrices of bipartite graphs $\Gamma(2k, k, k + 1, 1)$,” *Proc. SAMS’16*, Cape Town, South Africa.

Mumba, N. B. (2013), “Codes, graphs and designs from Alternating groups A_n for n odd”, *Proc. SAMSA’13*, Cape Town, South Africa.

Mumba, N. B. (2010), “An efficient way of finding a particular solution of a differential equation”, *Proc. SAMSA’10*, Gaborone, Botswana.

Mumba, N. B. (2009), “Another approach to Goppa codes”, *Proc. IEEE AFRICON 2009*.

Mumba, N. B. (2009), “The uniqueness of Hamming codes”, *Proc. SAMSA’09*, Dar Es Salaam, Tanzania.

Mumba, N. B. (2008), “The weight distribution of inequivalent Goppa codes”, *Proc. SAMSA’08*, Maputo, Mozambique.

AUGUSTINE MUSUKWA, PhD; MSc (ITCC); BSc

ORCID: <https://orcid.org/0000-0001-8792-6954>

RESEARCH INTERESTS

- Error correcting codes
- Goppa codes
- Cryptography
- Boolean functions and their applications in cryptography

Title of PhD Thesis:

APN Boolean functions and their applications in cryptography.

Title of Master's Dissertation:

Enumeration of extended irreducible binary hexic Goppa codes of length 2^n+1 .

JOURNAL ARTICLES

Musukwa, A. and Sala, M. (2024), "A Note on Vectorial Boolean Functions as Embeddings", Vol. 12 No. 22, 3477. <https://doi.org/10.3390/math12223477>.

Musukwa, A., Sala, M., Villa, I. and Zaninelli, M. (2022), "On cryptographic properties of cubic and splitting Boolean functions", *Applicable Algebra in Engineering, Communication and Computing*. <https://doi.org/10.1007/s00200-022-00575-2>.

Musukwa, A. and Sala, M. (2020), "On the linear structures of balanced functions and quadratic APN functions", *Cryptography and Communications*, Vol. 12, pp. 859 – 880.

Musukwa, A. (2019), "The number of extended irreducible binary Goppa codes of degree (2^m) and length 2^{n+1} ", *Open Journal of Discrete Applied Mathematics*, Vol. 2 No.1, pp. 1 - 13.

Musukwa, A. (2018), "Counting extended irreducible binary Goppa codes of degree 2^p and length 2^{n+1} ", *Journal of Mathematical and Computational Science*, Vol 8 No 1, 1-17.

Kumwenda K. and **Musukwa A.** (2018), "A bipartite graph associated with irreducible elements and group of units in \mathbb{Z}_n ", *International Journal of Applied Mathematics*, Vol 31 No. 1, 149-169.

DEPARTMENT OF PHYSICS

Department of Physics offers a number of undergraduate programmes in Physics.

MISSION

To provide high quality education, training, research, consultancies and outreach services in Physics.

RESEARCH ACTIVITIES

Staff within the department carry out research in the areas of radiation Physics and dosimetry, solid state Physics, telecommunications, nuclear Physics and electronics.

MAVUTO HAROLD BANDA, MSc; BSc (Ed)

RESEARCH INTERESTS

- Physics of energy sources and systems
- Electronics
- Signals and systems

Title of Master's Dissertation:

Performance Evaluation of 830 kWp Gridconnected Photovoltaic Power Plant at Kamuzu International Airport-Malawi.

JOURNAL PUBLICATIONS

Banda, M.H., Nyeinga, K. and Okello, D. (2019), “Performance evaluation of 830 kWp gridconnected photovoltaic power plant at Kamuzu International Airport-Malawi”, *Energy Sustain. Dev.*, Vol. 51, pp. 50-55.

LEONARD CHALEMBA, PhD; MSc; BSc

RESEARCH INTERESTS

- Mobile networks
- E-learning
- Network architecture
- Application of mobile technologies in agriculture

Title of PhD Thesis:

Topology-Aware Multicasting in Phased Mobile adhoc Networks for E-Learning.

Title of Master's Dissertation:

Access Network Architecture for the Next Generation Network for Service Provision to Underdeveloped Communities.

JOURNAL PUBLICATIONS

Chalemba, L.E. (2017), "Incorporation of telecommunications technologies into agricultural market information systems: a comparative analysis of Ghana and Tanzania", *The Electronic Journal of Information Systems in Developing Countries*, Vol. 79 No. 3, pp. 1-15.

Chalemba, L. (2016), "Application of telecommunications technologies to agricultural market information systems: A comparative analysis of Malawi and Ghana", *International Journal of Agricultural and Environmental Information Systems (IJAEIS)*, Vol. 7 No. 3, pp. 60-70.

Chalemba, L. (2016), "Integration of telecommunication technologies into agricultural market information systems: A comparative analysis of Uganda and Malawi", *Journal of Agricultural Informatics*, Vol. 7 No. 2, pp. 70-79.

Chalemba, L. (2014), "Maximising resource utilisation and load balancing in MANET multicasting with ODMRP over cluster-based topologies", *International Journal of Wireless and Mobile Computing*, Vol. 7 No. 1, pp.1-9.

ANGEL NYIRENDA, PhD; MSc; BSc

RESEARCH INTERESTS

- Radiation Physics and dosimetry
- Solid State Spectroscopy
- Semiconductor Physics
- Defects in non-metallic solids
- Modeling and Simulations

Title of PhD Thesis:

Combined Spectral and Stimulated Luminescence Study of Charge Trapping and Recombination Processes in Single-Crystal Synthetic Corundum.

Title of Master's Dissertation:

Mechanisms of Luminescence in α -Al₂O₃:C: Investigations Using Time-Resolved Optical Stimulation and Thermoluminescence Techniques.

JOURNAL PUBLICATIONS

Nyirenda, A.N. and Chithambo, M.L. (2017), "The influence of radiation-induced defects on thermoluminescence and optically stimulated luminescence of α -Al₂O₃: C", *Nuclear Instruments and Methods in Physics Research B*, Vol. 397, pp. 92-100.

Nyirenda, A.N. and Chithambo, M.L. and Polymeris, G.S. (2016), "On luminescence stimulated from deep traps using thermally-assisted time-resolved optical stimulation in α -Al₂O₃: C", *Radiation Measurements*, Vol. 90, pp.109-112.

Nyirenda, A.N. and Chithambo, M.L. (2015), "Kinetic analysis of the main glow-peak of α -Al₂O₃:C exposed to high irradiation dose", *Journal of Nuclear Sciences*, Vol.2, pp. 23-30.

Chithambo, M.L., **Nyirenda, A.N.**, Finch, A.A. and Rawat, N.S. (2015), "Time-resolved optically stimulated luminescence and spectral emission features of α -Al₂O₃: C", *Physica B: Condensed Matter*, Vol. 473, pp.62-71.

CONFERENCE PAPER

Nyirenda, A. and Chithambo, M.L. Dependence of the photoionization cross-section of α -Al₂O₃:C on the measurement temperature. Paper presented at the 60th Annual Conference of the SA Institute of Physics hosted by The Nelson Mandela Metropolitan University and Rhodes University in Johannesburg, South Africa, 28 June to 3 July, 2015.

THOKOZANI KAMOTO, MSc; BSc (Hons); BSc (Ed)

ORCID: <http://hdl.handle.net/10962/3024>

RESEARCH INTERESTS

- Nuclear states and anisotropy measurements
- Electronic design

Title of Master's Thesis:

Beta decay of ^{100}Zr produced in neutron-induced fission of natural uranium.

FACULTY OF HEALTH SCIENCES

The Faculty of Health Sciences was established in 2006. It has three departments namely Nursing and Midwifery, Biomedical Sciences, and Optometry.

VISION

To be an academic centre of excellence in training health care professionals, research and outreach for quality service and socio-economic transformation for the people of Malawi and beyond.

MISSION

To produce highly qualified health professionals to address the critical shortage of human resource which has resulted from inadequate capacity of training institutions to produce the numbers of health workers required, through training, education, research and outreach in order to improve the health of Malawians.

RESEARCH ACTIVITIES

Academic staff within the Faculty are involved in a wide range of research activities and project works. These have yielded a lot of research output in terms of conference proceedings, journal articles and grey literature. The main thrust of research within the Faculty falls within the areas of public health, nursing education, and eye health.

DEPARTMENT OF BIOMEDICAL SCIENCES

The Department of Biomedical Sciences falls under the Faculty of Health Sciences, and was founded in 2007. The Department aims to produce high quality graduates who are equipped with the necessary skills to bridge the human resource gap existing in the health sector.

VISION

To become a world-class biomedical research hub that contributes to improving human health through basic and translational research.

MISSION

To promote excellence in teaching, biomedical research and community service.

AREAS OF RESEARCH

Academic members of staff in the Department of Biomedical Sciences carry out research in the following fields: Molecular biology, host-pathogen interaction, and biotechnology.

FELIX DAMBULA, MSc; BSc

ORCID: <https://orcid.org/0000-0003-3124-3809>

RESEARCH INTERESTS

- Host-Pathogen interaction
- Molecular Biology of cancer
- Biotechnology

Title of Master's Dissertation:

HIV-1 RNA and CD4⁺ cells as proxies for determination of treatment failure and drug adherence.

JOURNAL PUBLICATIONS

Dambula, F and Makene V. A. (2016), "Extractibility of HIV-1 Pol-Integrase from plasma spots after 4 weeks of storage at room temperature", *AJSR*, Vol. 5 No. 2, pp. 2306 - 5877.

Dambula, F, Makene V. A., Wu J., and Kipandula W. (2016), "Evaluation of dried plasma spots in molecular quantification of HIV-1 RNA on Abbott real time Assay", *AJSR*, Vol. 5 No. 4, pp. 92 - 95.

PIZGA KUMWENDA, PhD; MRes; MSc; BTech; Dip

ORCID: <https://orcid.org/0000-0002-5475-3142>

RESEARCH INTERESTS

- Pathogens and environmental
- Epidemiology of infectious diseases
- Drug discovery
- Antimicrobial stewardship

Title of PhD Thesis:

Exploring the role of oestrogen in controlling the pathogenicity of Candida albicans.

Title of Master's Dissertation:

1. Investigating the role of bovine papillomavirus E5 oncoprotein in pathogenesis of infection by analysing cell signalling pathways [University of Leeds, UK].
2. Development of a Caenorhabditis elegans model to study the loss of gastrointestinal tract integrity and Candida albicans systemic infections [University of Aberdeen, UK].
3. The role of macrophage protein tyrosine phosphate 1B in susceptibility to fungal infections. [University of Aberdeen, UK].

BOOK CHAPTER

Sherrington, S. L., **Kumwenda, P.**, Kousser, C. and Hall, R. A. (2018), "Host sensing by pathogenic fungi", in Sariaslani, S. and Gadd, G.M. (eds.), *Advances in applied microbiology* (Vol. 102), Amsterdam: Academic Press, pp. 159-221).

JOURNAL PUBLICATIONS

Kumwenda, P., Cottier, F., Hendry, A. C., Kneafsey, D., Keegan, B., Gallagher, H., ... and Hall, R. A. (2022), "Estrogen promotes innate immune evasion of Candida albicans through inactivation of the alternative complement system", *Cell reports*, Vol. 38 No. 1, 110183.

Chisale, M. R., Nyambalo, B. W., Mitambo, C., **Kumwenda, P.**, Mwale, S. E. and Mbakaya, B. C. (2022), "Comparative characterisation of COVID-19 patients with hypertension comorbidity in Malawi: a 1: 2 matched retrospective case-control study", *IJID Regions*, Vol. 2, pp. 25-29.

Chisale, M. R., Ramazanu, S., Mwale, S. E., **Kumwenda, P.**, Chipeta, M., Kaminga, A. C., ... and Mbakaya, B. C. (2022), “Seroprevalence of anti.SARS.CoV.2 antibodies in Africa: A systematic review and meta-analysis”, *Reviews in medical virology*, Vol. 32 No. 2, e2271.

Kumwenda, P., Adukwu, E. C., Tabe, E. S., Ujor, V., Kamudumuli, P. S., Ngwira, M., ... and Chisale, M. R. (2021), “Prevalence, distribution and antimicrobial susceptibility pattern of bacterial isolates from a tertiary Hospital in Malawi”, *BMC Infectious Diseases*, Vol. 21 No. 1, pp. 1-10.

Bojang, E., Ghuman, H., **Kumwenda, P.** and Hall, R. A. (2021), “Immune sensing of *Candida albicans*”, *Journal of Fungi*, Vol. 7 No. 2, 119.

Sherrington, S. L., Sorsby, E., Mahtey, N., **Kumwenda, P.**, Lenardon, M. D., Brown, I., ... and Hall, R. A. (2017), “Adaptation of *Candida albicans* to environmental pH induces cell wall remodelling and enhances innate immune recognition”, *PLoS pathogens*, Vol. 13 No. 5, e1006403.

Chisale, M., **Kumwenda, P.**, Ngwira, M., M'baya, B., Chosamata, B. and Mwapasa, V. (2015), "A pilot study to determine the normal haematological indices for young Malawian adults in Blantyre, Malawi", *Malawi Medical Journal*, Vol. 27 No. 3, pp. 96-100.

DEPARTMENT OF NURSING AND MIDWIFERY

The Department of Nursing and Midwifery was established in 2006 with the aim of training high quality nurses and midwifery professionals.

MISSION

To provide high quality nursing and midwifery education, training and research to meet the health care needs of the nation and the world.

VISION

To become the centre of excellence, enhancing the quality of Nursing and Midwifery Services in both rural and urban settings in Malawi and beyond through the development of highly motivated, educated, competent and professional nurse midwives.

RESEARCH AREAS

Members of staff are actively involved in research and project works. The main focus of research undertaken by the Department falls within the areas of pediatric nursing, HIV/AIDS, maternal and child health, learning disability, child morbidity and mortality, intensive care nursing, oncology, and nursing education. Research outputs from members of staff within the Department are outlined below.

THOKOZANI BVUMBWE, PhD; MCur.; BSc

ORCID: orcid.org/0000-0003-0531-3199

RESEARCH INTERESTS

- Psychiatric mental health
- Geriatric nursing
- Clinical learning

Title of PhD Thesis:

An analysis of strategies to improve quality and quantity of nursing education in Malawi.

Title of Master's Dissertation:

Clients' perceptions of therapeutic interaction with nurses at Escoval House Community Psychiatric Clinic in Durban.

JOURNAL PUBLICATIONS

Hussein, C.R., Baluwa M., and **Bvumbwe. T.** (2024), "Clinical teaching practices in maternal mental health care: An integrated review", *Journal of Psychiatric and Mental Health Nursing*, Vol 31 No. 4, pp. 431- 450.

Funsani, P., Jiang, H., **Bvumbwe, T.** and Qian, X. (2023), "A facility-based assessment of maternal mortality among all deaths in reproductive-aged women in Mzimba South District, Malawi", *African Journal of Reproductive Health/La Revue Africaine de la Santé Reproductive*, Vol. 27 No. 4, pp. 77 - 83.

Chipeta, M., Gombachika, B. and Bvumbwe, T. (2022), "Nursing and Midwifery Students' Perspectives of Faculty Caring Behaviours: A Phenomenological Study", *The Open Nursing Journal*, Vol. 16 No. 1. DOI <http://dx.doi.org/10.2174/18744346-v16-e2204070>

Bvumbwe, T.M. and Mtshali, N.G. (2018), "A middle range model for improving quality of nursing education in Malawi", *Curationis*, Vol. 41 No. 1, pp. 1-11.

Bvumbwe, T. and Mtshali, N. (2018), "Nursing education challenges and solutions in Sub Saharan Africa", *BMC Nursing Journal*, Vol 17 No. 3, a1766. <https://doi.org/10.4102/curationis.v41i1.1766>

Bvumbwe, T. and Mtshali, N. (2018), “Transition to practice guidelines: enhancing quality of nursing education”, *African Journal of Health Professional Education*, Vol. 10 No. 1, pp. 66-71.

Bvumbwe, T. and Mtshali, N. (2018), “Transforming Nursing Education to strengthen health systems in Malawi: An exploratory study”, *Open Nursing Journal*, Vol. 12, pp. 93 - 105.

Bvumbwe, T. and Mtshali, N. (2018), “Nursing education challenges and solutions in Sub Saharan Africa: an integrative review”, *BMC Nursing*, Vol. 17 No. 3.

Phuma-Ngaiyaye, E., **Bvumbwe, T.** and Chipeta, M.C. (2017), “Using preceptors to improve nursing students' clinical learning outcomes: a Malawian students' perspective”, *International Journal of Nursing Sciences*, Vol. 4 No. 2, pp.164 - 168.

Bvumbwe, T. (2016), “Enhancing nursing education via academic–clinical partnership: an integrative review”, *International Journal of Nursing Sciences*, Vol. 3 No. 3, pp.314-322.

Bvumbwe, T. (2016), "Student nurses' preparation for psychiatric nursing practice: Malawian experiences", *The Journal of Mental Health Training, Education and Practice*, Vol. 11 No. 5, pp. 294-304.

Bvumbwe, T., Malema, A. and Chipeta, M. (2015), “Registered nurses’ experiences with clinical teaching environment in Malawi”, *Open Journal of Nursing*, Vol. 5 No. 10, pp. 927 – 934.

Bvumbwe, T. (2015), “Perceptions of nursing students trained in a new model teaching ward in Malawi”, *Journal of Educational Evaluation for Health Professions*, Vol. 12, p.53.

Middleton, L., Howard, A.A., Dohrn, J., Von Zinkernagel, D., Hopson, D.P., Aranda-Naranjo, B., Hall, C., **Bvumbwe, T.,** Chabela, A., Molise, N. and El-Sadr, W.M. (2014), “The Nursing Education Partnership Initiative (NEPI): innovations in nursing and midwifery education”, *Academic Medicine*, Vol. 89 No. 8, pp. S24-S28.

Chingatichifwe, B.M., Dodge, E., Chideme-Munodawafa, A., Mwale, C.M. and **Bvumbwe, T.** (2014), “Exploration of adoption of health lifestyles for secondary prevention of non-communicable diseases (Stroke, Diabetes and Hypertension) among clients at Mzuzu Central Hospital Malawi”, *European Scientific Journal*, Vol. 10 No. 12, pp. 281-290.

Msiska O., Mwale M., **Bvumbwe, T.**, Konyani, A. and Lungu, F. (2014), “Quality assurance assessment to enhance nursing and midwifery education at Mzuzu University, Malawi 2008 – 2013”, *Education for Southern Africa*, Vol. 10.

CONFERENCE PAPERS

Bvumbwe, T. Registered nurses’ experiences with clinical teaching environment in Malawi. Paper presented at the National Education Conference sponsored by Norwegian Church Aid (NCA) Conference held in Lilongwe, Malawi in November, 2015.

Bvumbwe, T. Bridging theory practice gap: insights from clinical preceptors, Mzuzu University Malawi. Paper presented at the Sigma Theta Tau International, Tau Lambda- At- Large Chapter conference held in Bloemfontein, South Africa, 5 to 7 August, 2013.

Bvumbwe, T. Up-scaling of transformative nursing education and midwifery education: Malawian experience (Key Note speaker). Paper presented at the EduNurse Education Conference held in Durban, South Africa, 2012.

Bvumbwe, T. National nursing education conference sponsored by Norwegian Church Aid. Paper presented at the Attending to Mental Health Needs of Students Improve Nursing Education in Malawi Conference held in Lilongwe, Malawi, 2012.

NATHANIEL CHIMBATATA, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0003-1591-5230>

RESEARCH INTERESTS

- Child health- child morbidity and mortality trends (influencing factors)
- Communicable and non-communicable diseases-determinants
- Reproductive health (prevalence of harmful traditional reproductive health practices)

Title of PhD Thesis:

Barriers to access to tuberculosis medical care and tuberculosis prompt diagnosis - a comparative study between northern Malawi and eastern rural China.

Title of Master's Dissertation:

Is there an association between bacterial vaginosis infection and HIV-1 infection acquisition among women aged 18 - 35 years in Soweto?

JOURNAL PUBLICATIONS

Chawinga, W., Singini, W., Phuka, J., **Chimbatata, N.**, Mitambo, C., Sambani, C. and Kambalame, D. (2023), "Combating coronavirus disease (COVID-19) in rural areas of Malawi: Factors affecting the fight", *African Journal of Primary Health Care & Family Medicine*, Vol. 15 No. 1, p.3464.

Chimbatata, N.B.W., Zhou, C., Chimbatata, C.M., Mhango, L., Diwan, V.K. and Xu, B. (2018), "Barriers to prompt TB diagnosis - a comparative study between northern Malawi and eastern rural China", *Trans R Soc Trop Med Hyg*, Vol. 111, pp. 504 - 511.

Chimbatata, N.B., Zhou, C.M., Chimbatata, C.M. and Xu, B. (2017), "Post-2015, why delay to seek healthcare? Perceptions and field experiences from TB healthcare providers in northern Malawi: A qualitative study", *Infectious Diseases of Poverty*, Vol. 6 No. 1, p.60.

Chimbatata, N.B. and Malimba, C. (2016), "Infertility in Sub-Saharan Africa: a woman's issue for how long? A qualitative review of literature", *Open Journal of Social Sciences*, Vol. 4 No. 08, p. 96-102.

Chimbatata, N.B. and Hu, C. (2016), "Illness narrative: perceptions and lived experiences of kidney recipient llients in Shanghai, China", *Open Journal of Nephrology*, Vol. 6 No. 03, p.67-77.

Chimbatata, N.B. and Chimbatata, C.M. (2016), “Impact evaluation design for community midwife technicians in Malawi”, *European Scientific Journal*, Vol. 12 No. 27, pp.349-357.

CONFERENCE PAPERS

Chimbatata, N.B.W., Zhou, C., Chimbatata, C.M. and Xu, B. POST-2015. Why delay to seek health care? Perceptions and lived experiences of TB health providers in the northern region-Malawi. Paper presented at the 6th Conference of International Union against Tuberculosis and Lung Disease Asia Pacific Region held in Tokyo, Japan, 22 to 25 March, 2017.

Chimbatata, N.B.M., Zhou, C., Mhango, L., Chimbatata, C.M., Diwan, V.K. and Xu, B. A comparative study of tuberculosis diagnosis delays in China and Malawi. Paper presented at the 6th Conference of International Union against Tuberculosis and Lung Disease Asia Pacific Region held in Tokyo, Japan, 22 to 25 March, 2017.

ETTAH CHIMBE-PHIRI, MSc; BSc; UCM

ORCID: <https://orcid.org/0000-0002-9508-5160>

RESEARCH INTERESTS

- Pediatric non-communicable diseases (NCDs)
- Preventive and interventions for child health care
- Maternal and newborn care
- Clinical practice, nursing education

Title of Master's Dissertation:

Management and self-care practices among adolescents with type 1 diabetes mellitus.

JOURNAL PUBLICATIONS

Baluwa, M.A., Konyani, A., Chipeta, M.C., Munthali, G., Mhango, L., **Chimbe, E.**, Lungu, F., Mpsa, F. (2021), "Coping with Fears of Covid-19 Pandemic Among Nursing Students During Clinical Practice: Malawi's Perspective", *Adv Med Educ Pract.* Vol. 12, pp. 1389-1396.

Mpsa, F., Baluwa, M., Lungu, F., Chipeta, M.C., Munthali, G., Mhango, L., **Chimbe, E.**, Konyani, A. (2021), "COVID-19 Related Fears Among Mzuzu University's Nursing Students During Clinical Practice", *Nursing: Research and Reviews*, Vol. 11, pp. 31-39.

Phiri, E.C., Chaputula, B., Shawa, E., Chiaravalli, J., Sigalet, E., Gabriel, J. and Dubrowski, A. (2018), "A simulation scenario focused on resuscitation of a young infant (neonate) for nurses and midwives in Malawi, a limited resource country", *Cureus*, Vol. 10 No. 5, e2673.

CONFERENCE PRESENTATIONS

Mpsa, F., Baluwa, M., Lungu, F., **Chipeta, M.C.**, Munthali, G., Mhango, L., Chimbe, E., Konyani, A. COVID-19 Related Fears Among Mzuzu University's Nursing Students During Clinical Practice. Building resilience in health professionals' education through research in the pandemic era: Learning from the past, tackling the present and shaping the future. Paper presented at St John of God College of Health Sciences Research Dissemination and Practice/development Conference held in Mzuzu on 28th April, 2022

MEP CORETTA CHIPETA, MSc NED; BScN; UCM

ORCID: <https://orcid.org/0000-0002-3170-3708>

RESEARCH INTERESTS

- Nursing Education
- Clinical reasoning
- Simulation
- HIV/AIDS
- Adolescent health

Title of Master's Dissertation:

Faculty Caring: Perspectives from Mzuzu University Nursing and Midwifery Students.

JOURNAL PUBLICATIONS

Mtambo, M.L., Masangwi, D.D., Soko, A.O., Kaledzera, T., Bickton, F.M. **Chipeta, M.C.** (2024), "The State of Stroke Research in Malawi: Results from a Mapping Review Study", *J Multidiscip Healthc.*, Vol. 17:4023-4041 <https://doi.org/10.2147/JMDH.S476012>

Chipeta, M., Gombachika, B. and Bvumbwe, T. (2022), "Nursing and Midwifery Students' Perspectives of Faculty Caring Behaviours: A Phenomenological Study", *The Open Nursing Journal*, Vol. 16 No. 1. DOI <http://dx.doi.org/10.2174/18744346-v16-e2204070>

Mkwinda, E., Thombozi, E., Botha, J., Chilinda, I., Mandala, E., **Chipeta, M.** (2022), "Exploring Challenges Faced by Nurses on Provision of Hormonal Contraceptives to Women on Antiretroviral Therapy in Selected Healthcare Facilities in Lilongwe District, Malawi", *Nursing: Research and Reviews*, Vol. 12, pp. 147-157.

Chisale, M. R., Ramazanu, S., Mwale, S. E., **Kumwenda, P.**, Chipeta, M., Kaminga, A. C., ... and Mbakaya, B. C. (2022), "Seroprevalence of anti-SARS-CoV.2 antibodies in Africa: A systematic review and meta-analysis", *Reviews in medical virology*, Vol. 32 No. 2, e2271.

Chipeta M., Gombachika B., Mbakaya B.C., Konyani M. A., Munthali G., Phuma-Ngaiyaye E. and Malema A.Z., (2021), "Nursing and Midwifery students' lived experiences of faculty caring and uncaring behaviours on their learning: A phenomenology study", *European Scientific Journal, ESJ*, Vol. 17 No. 3, 205. <https://doi.org/10.19044/esj.2021.v17n3p205>

Phuma-Nyaiyaye, E., Bvumbwe, T. and **Chipeta, M.** (2017), “Using preceptors to improve students’ clinical learning outcomes at Mzuzu University: A students’ perspective of its effectiveness”, *International Journal of Nursing Science*, Vol. 4 No. 2, pp. 164-168.

Bvumbwe, T., Malema, A., **Chipeta, M.** (2015), “Registered Nurses’ Experiences with Clinical Teaching Environment in Malawi”, *Open Journal of Nursing*, Vol. 5, pp. 927-934.

Baluwa, M.A., Konyani, A., **Chipeta, M.C.**, Munthali, G., Mhango, L., Chimbe, E., Lungu, F., Mpasa, F. (2021), “Coping with Fears of Covid-19 Pandemic Among Nursing Students During Clinical Practice: Malawi’s Perspective”, *Adv Med Educ Pract.* Vol. 12, pp. 1389-1396.

Mpsa, F., Baluwa, M., Lungu, F., **Chipeta, M.C.**, Munthali, G., Mhango, L., Chimbe, E., Konyani, A. (2021), “COVID-19 Related Fears Among Mzuzu University’s Nursing Students During Clinical Practice”, *Nursing: Research and Reviews*, Vol. 11, pp. 31-39.

CONFERENCE PRESENTATIONS

Mpsa, F., Baluwa, M., Lungu, F., **Chipeta, M.C.**, Munthali, G., Mhango, L., Chimbe, E., Konyani, A. COVID-19 Related Fears Among Mzuzu University’s Nursing Students During Clinical Practice. Building resilience in health professionals’ education through research in the pandemic era: Learning from the past, tackling the present and shaping the future. Paper presented at St John of God College of Health Sciences Research Dissemination and Practice/development Conference held in Mzuzu on 28th April, 2022.

Chaura, M., Kanyundo, A and **Chipeta, M.** (2021), “Perceptions of Mzuzu University final year nursing students on the health information systems in Malawian hospitals”, in Mnubi-Mchombu, C., Nengomasha, C. and Utoni, W. (Eds.) *Inclusive libraries and information services towards achieving prosperity for sustainable development in Africa: XXIV SCECSAL Conference* held at the Safari Hotel and Conference Centre, Windhoek, Namibia, from 8th to 11th February, Vol. 24 (1), 280-288.

Chipeta, M. and Gombachika B. Faculty Caring: Perspectives from Mzuzu University Nursing and Midwifery Students. *Research and innovation: a catalyst for sustainable development*. NCST National Research Dissemination Conference held at Sunbird Nkopola Lodge, Mangochi, Malawi from 28th to 29th September, 2017

Chirambo, G. B. and **Chipeta, M.** Factors affecting clinical nurses to teach nursing and midwifery students in the clinical area in Malawian Hospitals. *Nursing Education in Africa, Changes and Challenges*. International Conference held at Sunbird Capital Hotel, Lilongwe Malawi from 7 to 8 November 2012.

GRIPHIN BAXTER CHIRAMBO, PhD; MSc-MHN; BSc; Post Grad Dip MHN

ORCID: orcid.org/0000-0001-6067-1840

RESEARCH INTERESTS

- Psychiatric mental health
- Public Health
- Mobile Health

Title of PhD Thesis:

Acceptability and sustainability of using mHealth technologies in the management of childhood illnesses in the rural communities of Malawi.

Title of Master's Dissertation:

Knowledge and Perceptions of the dangers of substance abuse among affected youth attending St John of God Community services, Malawi.

JOURNAL PUBLICATIONS

Denny, A., Curtin, B., Taylor-Robinson, S., **Chirambo, G. B.**, Cilliers, L., Wu, T. S. J., ... and O'Donoghue, J. (2024), "Evaluating the Appropriateness of Podcasts to Improve the Knowledge and Awareness of Selected Health Topics Among Undergraduate General Nursing Students: Protocol for an International Feasibility Study", *JMIR Research Protocols*, Vol. 13 No. 1, e50735.

Denny, A., Curtin, B., Taylor-Robinson, S., **Chirambo, G.B.**, Cilliers, L., Wu, T.S.J., O'Meara, C., Booth, R. and O'Donoghue, J. (2024), "Evaluating the Appropriateness of Podcasts to Improve the Knowledge and Awareness of Selected Health Topics Among Undergraduate General Nursing Students: Protocol for an International Feasibility Study", *JMIR Research Protocols*, Vol. 13 No. 1, p. e50735.

Denny, A., Ndemera, I., Chirwa, K., Wu, J.T.S., **Chirambo, G.B.**, Yosefe, S., Chilima, B., Kagoli, M., Lee, H.Y., Yu, K.L.J. and O'Donoghue, J. (2024), "Evaluation of the development, implementation, maintenance and impact of three digital surveillance tools deployed in Malawi during COVID-19: Protocol for a Modified Delphi Expert Consensus study", *JMIR Research Protocols*, 58389

Tan, Y.Y., Woulfe, F., Chirambo, G.B., Henn, P., Cilliers, L., Fadahunsi, K.P., Taylor-Robinson, S.D. and O'Donoghue, J. (2022), "Framework to assess the quality of mHealth apps: a mixed-method international case study protocol", *BMJ open*, Vol. 12 No. 10, p. e062909.

Woulfe, F., Fadahunsi, K.P., O'Grady, M., **Chirambo, G.B.**, Mawkin, M., Majeed, A., Smith, S., Henn, P. and O'Donoghue, J. (2022), "Modification and validation of an mHealth app quality assessment methodology for International use: cross-sectional and eDelphi studies", *JMIR Formative Research*, Vol. 6 No. 8, p. e36912.

Woulfe, F., Fadahunsi, K.P., O'Grady, M., **Chirambo, G.B.**, Mawkin, M., Majeed, A., Smith, S., Henn, P. and O'Donoghue, J. (2022), "Modification and validation of an mHealth app quality assessment methodology for International use: cross-sectional and eDelphi studies", *JMIR Formative Research*, Vol. 6 No. 8, p. e36912.

Woulfe, F., Fadahunsi, K.P., Smith, S., **Chirambo, G.B.**, Larsson, E., Henn, P., Mawkin, M. and O'Donoghue, J. (2021), "Identification and evaluation of methodologies to assess the quality of mobile health apps in high-, low-, and middle-income countries: rapid review", *JMIR mHealth and uHealth*, Vol. 9 No. 10, p. e28384.

Chirambo, G.B., Muula, A.S., Thompson, M., Hardy, V.E., Heavin, C., O'Connor, Y., Mastellos, N., Andersson, B. and O'Donoghue, J. (2021), "End-user perspectives of two mHealth decision support tools: electronic community case management in Northern Malawi", *International Journal of Medical Informatics*, Vol. 145, p.104323.

Woulfe, F., Fadahunsi, K.P., Smith, S., **Chirambo, G.B.**, Larsson, E., Henn, P., Mawkin, M. and O'Donoghue, J. (2021), "Identification and evaluation of methodologies to assess the quality of mobile health apps in high-, low-, and middle-income countries: rapid review", *JMIR mHealth and uHealth*, Vol. 9 No. 10, p. e28384.

Chirambo, G.B., Thompson, M., Hardy, V., Ide, N., Hwang, P.H., Dharmayat, K., Mastellos, N., Heavin, C., O'Connor, Y., Muula, A.S. and Andersson, B. (2021), "Effectiveness of smartphone-based community case management on the urgent referral, reconsultation, and hospitalization of children aged under 5 Years in Malawi: cluster-randomized, stepped-wedge trial", *Journal of Medical Internet Research*, Vol. 23 No. 10, p. e25777.

Dick, S., O'Connor, Y., Thompson, M. J., O'Donoghue, J., Hardy, V., Joseph Wu, T. S., O'Sullivan, T., **Chirambo, G. B.** and Heavin, C. (2020), "Considerations for improved mobile health evaluation: Retrospective qualitative investigation", *JMIR MHealth and UHealth*, Vol. 8 No. 1, <https://doi.org/10.2196/12424>

Dick, S., O'Connor, Y., Thompson, M.J., O'Donoghue, J., Hardy, V., Wu, T.S.J., O'Sullivan, T., **Chirambo, G.B.** and Heavin, C. (2020), "Considerations for improved mobile health evaluation: Retrospective qualitative investigation", *JMIR mHealth and uHealth*, Vol. 8 No. 1, p. e12424.

Larsson, E., Mawkin, M., Taylor-Robinson, S.D., Harrington, P., Gondwe, H., Watson, C., Gallagher, J., Ledwidge, M., **Chirambo, G.B.** and O'Donoghue, J. (2020), "Implementing Innovative Approaches to Healthcare in a Lower-Middle Income Country: Perspectives from Malawi", *International journal of general medicine*, pp.1723-1730.

Ide, N., Hardy, V., **Chirambo, G.**, Heavin, C., O'Connor, Y., O'Donoghue, J., Mastellos, N., Dharmayat, K., Andersson, B., Carlsson, S. and Muula, A. (2019), "People welcomed this innovation with two hands: a qualitative report of an mHealth intervention for community case management in Malawi", *Annals of Global Health*, Vol. 85 No. 1.

Chirambo, G.B., Muula, A.S. and Thompson, M. (2019), "Factors affecting sustainability of mHealth decision support tools and mHealth technologies in Malawi", *Informatics in Medicine Unlocked*, Vol. 17, p.100261.

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Ide, N., Hardy, V., **Chirambo, G.**, Heavin, C., O'connor, Y., O'donoghue, J., Mastellos, N., Dharmayat, K., Andersson, B., Carlsson, S., Muula, A. and Thompson, M. (2019), "People welcomed this innovation with two hands: A qualitative report of an mhealth intervention for community case management in Malawi", *Annals of Global Health*, Vol. 85 No. 1, pp. 1–10.

Mastellos, N., Tran, T., Dharmayat, K., Cecil, E., Lee, H.-Y., Wong, C. C. P., Mkandawire, W., Ngalande, E., Tsung, J., Wu, -Shu, Hardy, V., **Chirambo, B. G.** and O'donoghue, J. M. (2018), "Training community healthcare workers on the use of information and communication technologies: A randomised controlled trial of traditional versus blended learning in Malawi, Africa", *BMC Medical Education*, Vol. 18 No. 61. <https://doi.org/10.1186/s12909-018-1175-5>

Chirambo, G. B., Hardy, V. E., Heavin, C., Connor, O., Donoghue, J. O., Mastellos, N., Tran, T., Wu, J. T.S., Carlsson, S., Andersson, B., Adamson, S. and Thompson, M. (2018), "Perceptions of a mobile health intervention for Community Case Management in Malawi: Opportunities and challenges for Health Surveillance Assistants in a community setting", *Malawi Medical Journal*, Vol. 30, pp. 6-12.

Hardy, V., Hsieh, J., **Chirambo, B.**, Wu, T.-S. J., O'Donoghue, J., Muula, A. S. and Thompson, M. (2017), "Assessing the feasibility of mobile phones for follow-up of acutely unwell children presenting to village clinics in rural northern Malawi", *Malawi Medical Journal*, Vol. 29 No. 1, <https://doi.org/10.4314/mmj.v29i1.10>

Hardy, V., O'Connor, Y., Heavin, C., Mastellos, N., Tran, T., O'Donoghue, J., Fitzpatrick, A. L., Ide, N., Wu, T.-S. J., **Chirambo, G. B.**, Muula, A. S., Nyirenda, M., Carlsson, S., Andersson, B. and Thompson, M. (2017), "The added value of a mobile application of Community Case Management on referral, re-consultation and hospitalization rates of children aged under 5 years in two districts in Northern Malawi: Study protocol for a pragmatic, stepped-wedge cluster-randomize", *Trials*, Vol. 18 No. 1, <https://doi.org/10.1186/s13063-017-2213-z>

O'Connor, S., Gallagher, J., Wamba, N., Moyo, C., **Chirambo, G. B.** and O'donoghue, J. (2016), "Establishing long-term nursing informatics capacity in Malawi, Africa", *Studies in Health Technology and Informatics*, Vol. 225, pp. 1013 - 1014.

CONFERENCE PROCEEDINGS

O'Connor, Y., Hardy, V., Thompson, M., Mastellos, N., Tran, T., O'Donoghue, J., **Chirambo, G. B.**, Andersson, B., Carlsson, S. and Heavin, C. (2016) 'The importance of form field validation: lessons learnt from a feasibility study of an mHealth application in Malawi, Africa', Proceedings of 20th Pacific Asia Conference on Information Systems - PACIS 2016, Chiayi, Taiwan, 27 June - 1 July, 2016.

ATUPELE MALEMA, MSc Epi; BScN; UCM

RESEARCH INTERESTS

- Tobacco smoking and smokeless tobacco
- Smoking policies
- Sign language and health care provision
- Human papillomavirus vaccine (HPV)

Title of Master's Dissertation:

Health related behaviours of Shanghai residents and comparison of smoking prevalence with Malawi residents.

FERESTAS MPASA, PhD; MSc; BSc

ORCID: <https://orcid.org/0000-0002-1736-9678>

RESEARCH INTERESTS

- Intensive care nursing
- Nursing education

Title of PhD Thesis:

Management of endotracheal tube cuff pressure in mechanically ventilated adult patients in intensive care units in Malawi.

Title of Master's Dissertation:

Strategies for the implementation of clinical practice guidelines in intensive care units: a systematic review.

JOURNAL PUBLICATION

Mpasa, F., Baluwa, M., Lungu, F., Chipeta, M.C., Munthali, G., Mhango, L., Chimbe, E., Konyani, A. (2021), "COVID-19 Related Fears Among Mzuzu University's Nursing Students During Clinical Practice", *Nursing: Research and Reviews*, Vol. 11, pp. 31-39.

Baluwa, M.A., Konyani, A., **Chipeta, M.C.,** Munthali, G., Mhango, L., Chimbe, E., Lungu, F., **Mpasa, F.** (2021), "Coping with Fears of Covid-19 Pandemic Among Nursing Students During Clinical Practice: Malawi's Perspective", *Adv Med Educ. Pract.* Vol. 12, pp. 1389-1396.

Mpasa, F., van Rooyen, D.R.M., Venter, D., Jordan, P., Ten Ham-Baloyi, W. (2020), "Improving nurses' knowledge of managing endotracheal tube cuff pressure in intensive care units: A quasi-experimental study", *Health SA*, Vol. 18 No. 25, pp. 1-10. doi: 10.4102/hsag.v25i0.1479. PMID: 33391829; PMCID: PMC7756521.

Jordan, P., **Mpasa, F.,** ten Ham-Baloyi, W. and Bowers, C. (2017), "Implementation strategies for guidelines at ICUs: a systematic review", *International Journal of Health Care Quality Assurance*, Vol. 30 No. 4, pp. 358-372.

CONFERENCE PAPERS

Mpasa, F. Strategies for the implementation of guidelines in the ICU: a systematic review. Paper presented at the Nursing Education Conference in Malawi held at the Capital Hotel in Lilongwe, Malawi, 2014.

Chalanda, M. and **Mpasa, F.** Problem-based learning: a pedagogical strategy for teaching in nursing colleges in Malawi. Paper presented at the innovations in higher learning institutions conference held at the University of Western Cape, RSA in December, 2009.

ELLEN SAMWIRI NKAMBULE, MSc, RNM; BSc

ORCID: <https://orcid.org/0000-0002-1308-5950>

RESEARCH INTERESTS

- Implementation Science
- Chronic illness- Diabetes Mellitus
- HIV/AIDS epidemic amongst the key populations

Title of Master's Dissertation:

Living With Insulin-Dependent Diabetes: Narratives of Rural-Based Adult Diabetic Clients, Lilongwe, Malawi.

JOURNAL PUBLICATIONS

Nkambule, E.S. and Msiska, G. (2024), "Chronic illness experience in the context of resource-limited settings: a concept analysis", *International Journal of Qualitative Studies on Health and Well-being*, Vol. 19 No. 1, <http://dx.doi.org/10.1080/17482631.2024.2378912>

Nkambule.E. and Mbakaya, B.C. (2023), "Covid-19 Vaccination Hesitancy in Malawi: A Scoping Literature", *BMC Systematic Reviews*, Vol. 13 No. 77. <https://doi.org/10.1186/s13643-024-02499-z>

Nkambule, E., Wella, K. and Mbakaya, B. C. (2023), "The voice of incarcerated young people in Malawi's semi-urban prisons", *BMJ Open*, Vol. 13, e075925. doi:10.1136/bmjopen-2023-075925.

Nkambule.E., Msosa, A, Wella, K., Mbakaya B.C., Chilemba, E. and Msiska, G. (2023), "Patient's experiences of diabetes care at a tertiary health facility in Lilongwe, Malawi", *BMC Health Services Research*, Vol. 23,1093, <https://doi.org/10.1186/s12913-023-10039-z>

Nkambule, E., Msosa, A., Wella, K. and Msiska, G. (2021), "This disease would suit better those who have money': Insulin-Treated Diabetes Illness experience in rural Malawi", *Malawi Medical Journal*, Vol. 33, pp. 24 - 30.

CONFERENCE PAPERS

Nkambule, E. and Mbakaya, B.C. The feasibility of implementing the three-staged model of HIV and TB care in Prisons: A case of Nkhatabay and Nkhotakota Prisons. Paper presented at the Science of Dissemination and Implementation in Health, Washington DC, USA, 9-12 December, 2023.

Nkambule, E., Wella, K. and Mbakaya, B. C. ‘We could easily get HIV infection here’: The voice of incarcerated young people in Malawi’s semi-urban prisons. Paper presented at the INTEREST Conference in Maputo, Mozambique, 9 - 12 May, 2023.

Nkambule, E., Herce, M., Wella, K. and Mbakaya, B. C. Pre-intervention phase of Implementing the three-staged model of TB and HIV care in Prisons: A case of Malawi’s semi-urban prisons. Paper presented at the KUHeS Research Dissemination conference, Blantyre, 24 - 25 November, 2022.

Nkambule, E. and Msiska, G. Improving self-management skills among adults living with insulin-treated diabetes in rural Lilongwe, Malawi: A pilot study Paper presented at the International conference of International Corroboration on Community health Research (ICCHNR), August 16, 2022.

TAMARA PHIRI, PhD; MSc; BSc

ORCID: <https://orcid.org/0009-0007-5434-5820>

RESEARCH INTERESTS

- Maternal, newborn and child health
- Community Health
- Public Health
- Reproductive health
- Clinical practice and education

Title of PhD Thesis:

Mixed Method Approach Examining Postnatal Care Interventions and Related Service Providers and Policy on the Maternal Health Continuum of Care in Lilongwe, Malawi.

Title of Master's Dissertation:

Exploring Male Partner Involvement Regarding Prevention of Mother to Child transmission of HIV (PMTCT) Services in a Selected Health Care Facility in KwaZulu-Natal.

JOURNAL PUBLICATIONS

Phiri, T. and Bhengu, B.R. (2023), “The knowledge and practice of nurse midwives concerning the provision of postnatal care at primary health care facilities in Lilongwe District, Malawi”, *Africa Journal for Physical Activity and health sciences (AJPHES)*, Vol. 28 No. 3, pp. 185-202. DOI: <https://doi.org/10.37597/ajphes.2022.28.3.1>

Kadzamira, M., Gausi, H.J., **Phiri, T.**, and Banda, E.E. (2023), “Activating rural voices for effective implementation of tobacco control policies”, *RURAL21 The International Journal for Rural Development*. <https://www.rural21.com/english/a-closer-look-at/detail/article/activating-rural-voices-for-effective-implementation-of-tobacco-control-policies.html>

Matthews, A., Walsh, A., Brugha, R., Manda-Taylor, L., Mwale, D., **Phiri, T.**, Mwapasa, V. and Byrne, E. (2019), “The Demand and Supply Side Determinants of Access to Maternal, Newborn and Child Health Services in Malawi”, *Maternal and Child Health Journal*, Vol. 23, pp. 556 - 1563.

Walsh, A., Matthews, A., Manda-Taylor, L., Brugha, R., Mwale, D., **Phiri, T.** and Byrne, E. (2018), “The Role of the Traditional Leader in Implementing Maternal, Newborn and Child Health Policy in Malawi”, *Health Policy and Planning*, Vol. 33, pp. 879 - 887.

Manda-Taylor, L., Mwale, D., **Phiri, T.**, Walsh, A., Matthews, A., Brugha, R., Mwapasa, V. and Byrne, E. (2017), “Changing Times? Gender Roles and Relationships in Maternal, Newborn and Child Health in Malawi”, *BMC Pregnancy and Childbirth*, Vol. 17, DOI 10.1186/s12884-017-1523-1

ELLEMES PHUMA-NGAIYAYE, PhD; MSc; BSc; UCM

ORCID: <https://orcid.org/0000-0002-9628-1710>

RESEARCH INTERESTS

- Maternal, newborn and child health
- Clinical teaching
- HIV and AIDS
- Reproductive health
- Professional nursing practice

Title of PhD Thesis:

Development of neonatal nursing clinical competency-based assessment tool for nurse-midwife technicians in CHAM Colleges, Malawi.

Title of Master's Dissertation:

Experiences of children living with HIV following disclosure of their diagnosis in Mzuzu.

JOURNAL PUBLICATIONS

Chipeta M., Gombachika B., Mbakaya B.C., Konyani M. A., Munthali G., **Phuma-Ngaiyaye E.** and Malema A.Z., (2021), "Nursing and Midwifery students' lived experiences of faculty caring and uncaring behaviours on their learning: A phenomenology study", *European Scientific Journal, ESJ*, Vol. 17 No. 3, 205. <https://doi.org/10.19044/esj.2021.v17n3p205>

Mchenga, J., **Phuma-Ngaiyaye, E.** and Kasulo, V. (2020), "Do sanitation facilities in primary and secondary schools address Menstrual Hygiene needs? A study from Mzuzu City, Malawi", *Physics and Chemistry of the Earth Parts A/B/C* 115:102842 DOI: 10.1016/j.pce.2020.102842

Dartey, A.F. and **Phuma-Ngaiyaye, E.** (2020), "Physical Effects of Maternal Deaths on Midwives' Health: A Qualitative Approach", *Journal of Pregnancy*; doi: 10.1155/2020/2606798.

Dartey, A.F., Phetlhu, D.R. and **Phuma-Ngaiyaye, E.** (2019), "Reducing the Effects of Maternal Death: Midwives' Strategies", *International Journal of Health Sciences & Research*, Vol. 9 No. 2, pp. 128-138.

Dartey, A.F., Phetlhu, D.R. and **Phuma-Ngaiyaye, E.** (2019), "Coping with Maternal Deaths: The Experiences of Midwives", *Ethiopian Journal of Health Sciences*, Vol. 29 No. 4, pp. 495-502.

Dartey, A.F., **Phuma-Ngaiyaye, E.** and Phethu, D.R. (2018), “Midwives’ emotional distress over maternal death: The case of Ashanti Region”, *NUMID Horizon International Journal of Nursing*, Vol. 1 No. 2, pp. 68-76.

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Dartey, A.F., **Phuma-Ngaiyaye, E.** and Phethu, D.R. (2017), “Effects of Death as a Unique Experience among Midwives in the Ashanti Region of Ghana”, *International Journal of Health Sciences & Research*, Vol. 7 No. 12, pp. 158-167.

Phuma-Ngaiyaye, E. E., Adejumo, O. and Dartey, A. F. (2017), “Challenges in neonatal nursing clinical teaching to nurse-midwife technicians in Malawi”, *Journal of Nursing Education*, Vol. 56 No. 4, pp. 215-221

Phuma-Ngaiyaye, E., Bvumbwe, T. and Chipeta, M. C. (2017), “Using preceptors to improve nursing students' clinical learning outcomes: a Malawian students' perspective”, *International Journal of Nursing Sciences*, Vol. 4 No. 2, p.p. 164-168.

Dartey, A.F., Phethu, D.R. and **Phuma-Ngaiyaye, E.** (2017), “Fears associated with maternal death: selected midwives lived experiences in the Ashanti Region of Ghana”, *NUMID Horizon: An International Journal of Nursing and Midwifery*, Vol. 1 No. 1, p.p. 79-86.

Phuma-Ngaiyaye, E. and Kalembo, F.W. (2016), “Supporting mothers to bond with their newborn babies: strategies used in a neonatal intensive care unit at a tertiary hospital in Malawi”, *International Journal of Nursing Sciences*, Vol. 3 No. 4, p.p. 362-366.

Phuma-Ngaiyaye, E. and Dartey, A.F. (2015), “Experiences of children living with HIV and AIDS following their diagnosis disclosure in Mzuzu, Malawi”, *Vulnerable Children and Youth Studies*, Vol. 10 No. 4, pp.357-365.

Phuma E.E. (2010), “Epilogue: The International Ethics Conference; an eye opener”, *Research Administration*, Vol. 41 No. 2, p.p. 97-98.

ELWIN SHAWA, MSc; BSc; UCM

RESEARCH INTERESTS

- Herbal medicine
- Non-communicable diseases (NCD)
- Clinical nursing
- Cardiovascular nursing
- HIV/AIDS, TB, and Malaria

Title of Master's Dissertation:

Patients' perceptions regarding nursing care in the general surgical wards at Kenyatta National Hospital, Nairobi.

JOURNAL PUBLICATIONS

Phiri, E.C., Chaputula, B., **Shawa, E.**, Chiaravalli, J., Sigalet, E., Gabriel, J. and Dubrowski, A. (2018), "A simulation scenario focused on resuscitation of a young infant (neonate) for nurses and midwives in Malawi, a limited resource country", *Cureus*, Vol. 10 No. 5, e2673.

Chiaravalli, J., Lufesi, N., **Shawa, E.**, Nkhoma, V., Sigalet, E. and Dubrowski, A. (2017), "Management of an obstructed tracheostomy in a limited-resource setting", *Cureus*, Vol. 9 No. 5, p. e1246.

DEPARTMENT OF OPTOMETRY

The department of optometry was established in 2008 in response to a great public need for access to eye care and spectacles in Malawi and the region of Southern Africa. Malawi, like many other developing countries, has limited infrastructure, trained personnel, and educational facilities for the training and operating of eye care professionals. Therefore, through collaboration between the Malawi Ministry of Health, Malawi College of Health Sciences, Mzuzu University and a partnership between several international organizations, namely, the Brien Holden Vision Institute, Sight Savers International, and Optometry Giving Sight, a Bachelor's of Science in Optometry was created and added to the list of available degree programs.

VISION

The Department of Optometry is to be an academic centre of excellence in training Optometry professionals, research and outreach for quality eye care service and socio-economic transformation for the people of Malawi and beyond.

MISSION

To produce highly qualified Optometry professionals in response to address the critical shortage of human resource which has resulted from inadequate capacity of training institutions to produce the numbers of eye care workers required, through training, education, research and outreach in order to improve the ocular health of Malawians.

AFONNE JOSEPH CHINKATANTA, OD

ORCID: <https://orcid.org/0000-0002-2335-6558>

RESEARCH INTERESTS

- Contact Lenses
- Binocular vision
- Clinic Management
- Optometry Practice Management
- Ocular Pharmacology

Title of Master's Dissertation:

Ocular dynamics of systemic aqueous extracts of Xylopia aethiopica (African guinea pepper) seeds on visually active volunteers.

JOURNAL PUBLICATIONS

Mzumara, T., Lubanga, A. F., Afonne, J., Munthali, G., Kaonga, B., Harawa, G. and Bwanali, A. N. (2024), "Correlation between Mid-Upper Arm Circumference and Body Mass Index in the assessment of adults' nutritional status in Malawi", *medRxiv*. <https://doi.org/10.1101/2024.07.09.24310002>

Mzumara, T., Kantaris, M., Afonne, J. (2024), "Eye Care Service Use and Associated Health-Seeking Behaviors Among Malawian Adults: Secondary Analysis of the Malawi Fifth Integrated Household Survey 2019-2020", *JMIRx Med*, <https://www.medrxiv.org/content/10.1101/2022.11.09.22282125v1>

Mbamba, M., Mzumara, T., Chisale, P. *et al.* (2023), "The distribution of blink rate among Malawian young adults: a cross-sectional study", *Sci Rep*, Vol. 13, <https://doi.org/10.1038/s41598-023-29016-x>

Masautso, C., Mzumara, T. and Afonne, J. (2022), "Establishing Normative Values for Amplitude of Accommodation and Accommodative Facility among University Students in Malawi", *Ophthalmology Research: An international Journal*, Vol 17 No. 4, pp. 51-56.

Kalulu, H., Mzumara, T., Chisale, P.E. and Afonne, J.C. (2019), "Distribution of Corneal Parameters among Malawian Young Adults", *EC Ophthalmology*, Vol. 11 No. 1, pp. 01-11

Chisale, P.E., Mzumara, T., Afonne, J.C. (2019), "Knowledge, Attitude, Perception and Knowledge and Practice of Prevention Practices of Computer Vision Syndrome among Mzuzu University Academic Staff", *J Eye Vis*, Vol.2 No. 1:2.

Mzumara, T. and Afonne, J. (2018), “Assessing the relationship between non-invasive tear break-up time and maximum blink interval values among young adults at Mzuzu University”, *Clinical Optometry* Vol. 10, pp. 87-91.

Afonne J.C., Ahuama, O.C., Chukwudebe, V.N. (2011), “The effects of Lignocaine on lateral Phoria of young adults”, *Journal of Health and Visual Sciences*, Vol. 13 No. 1, pp. 5-7.

Igwe, S.A., Afonne, J.C., Ghasi, S.I. (2003), “Ocular dynamics of systemic aqueous extracts of *Xylopic aethiopica* (African guinea pepper) seeds on visually active volunteers”, *Journal of ethnopharmacology*, Vol. 86 No. 2 - 3, pp. 139-142.

CONFERENCE PRESENTATIONS

Afonne, J.C. The Challenges of Optometry Practice Malawi. Paper presented at the 2021 Annual General Meeting of Malawi Optometric Association held in Lilongwe, Malawi.

Afonne J.C. The Scope of Optometry Practice in Malawi. Paper presented at the 2020 Annual General Meeting of the Malawi Optometric Association.

Afonne J. C. and Onwumelu, I. Comparative study of the effect of Timolol and Brinzolamide on the IOP of Ocular Normotensives, Oral presentation, African Council of Optometrist Conference, Ghana.

Enenchi, G., Afonne, J., Oguamah F, et al. Teleoptometry: an inevitable tool for the actualization of vision 2020 target in Nigeria. Paper presented at the NOA Annual General Meeting held in Abuja in 2011.

CHIKASIRIMOBİ GOODHOPE TIMOTHY, OD.

ORCID: <https://orcid.org/0000-0001-5832-484X>

RESEARCH INTERESTS

- COVID-19 epidemiology management
- Contact lenses
- Anterior eye segment
- Myopia progression and control
- Neuroimaging

Title of Master's Dissertation:

Knowledge, Attitudes, Perception and Influencing Factors of Contact Lens Uptake for Refractive Errors Correction in an Academic Vision Centre, Kenya.

JOURNAL PUBLICATIONS

Chikasirimobi, T.G., Charwe, D., Osuagwu, U.L., Miner, C.A., Abu, E.K., Ovenseri-Ogbomo, G.O., Goson, P.C., Langsi, R., Ekpenyong, B., Oloruntoba, R. and Nwaeze, O. (2021), "COVID-19 in sub-Saharan African countries: Association between compliance and public opinion", *Global Journal of Health Science*, Vol. 13 No. 2, pp. 91-103.

Chikasirimobi, T.G., Ndinyo, M., Ondieki, M.N., Miti, I., Ejiochi-Iyoke, N.J., Osuagwu, U.L., Ziered, F.M., Agho, K.E., Ogbuehi, K.C. and Mashige, K.P. (2021), "A comparison of postural and diurnal variations in intraocular pressure using the iCare rebound tonometer and Perkins applanation tonometer in admitted adults in Kenya", *African Vision and Eye Health*, Vol. 80 No. 1/a617/ DOI: <https://doi.org/10.4102/aveh.v80i1.617>.

Chikasirimobi, G.T., Chepkeitany, H.C., Van-Staden, D.W. and Shaviya, N. (2022), "Prevalence and knowledge of contact lens uptake in Kenya: a retrospective study", *European Journal of Public Health Studies*, Vol. 5 No. 1, <http://dx.doi.org/10.46827/ejphs.v5i1.114>.

Osuagwu, U.L., **Timothy, C.G.,** Langsi, R., Abu, E.K., Goson, P.C., Mashige, K.P., Ekpenyong, B., Ovenseri-Ogbomo, G.O., Miner, C.A., Oloruntoba, R. and Ishaya, T. (2021), "Differences in Perceived Risk of Contracting SARS-CoV-2 during and after the Lockdown in Sub-Saharan African Countries", *International Journal of Environmental Research and Public Health*, Vol. 18 No. 21, p.11091.

Langsi, R., Osuagwu, U.L., Goson, P.C., Abu, E.K., Mashige, K.P., Ekpenyong, B., Ovenseri-Ogbomo, G.O., **Chikasirimobi G, T.**, Miner, C.A., Ishaya, T. and Oloruntoba, R. (2021), “Prevalence and factors associated with mental and emotional health outcomes among africans during the COVID-19 lockdown period - A web-based cross-sectional study”, *International Journal of Environmental Research and Public Health*, Vol. 18 No. 3, p.899.

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Osuagwu, U.L., Miner, C.A., Bhattarai, D., Mashige, K.P., Oloruntoba, R., Abu, E.K., Ekpenyong, B., **Chikasirimobi, T.G.**, Goson, P.C., Ovenseri-Ogbomo, G.O. and Langsi, R. (2021), “Misinformation about COVID-19 in sub-Saharan Africa: evidence from a cross-sectional survey”, *Health security*, Vol. 19 No. 1, pp.44 - 56.

Ekpenyong, B.N., Osuagwu, U.L., Miner, C.A., Ovenseri-Ogbomo, G.O., Abu, E.K., Goson, P.C., Langsi, R., Nwaeze, O., **Chikasirimobi, T.G.**, Charwe, D.D. and Mashige, K.P. (2021), “Knowledge, Attitudes, and Perceptions of COVID-19 Among Healthcare and Non-Healthcare Workers in Sub-Saharan Africa: A Web-Based Survey”, *Health security*, Vol. 19 No. 4, pp. 393-404.

Osuagwu, U.L., Nwaeze, O., Ovenseri-Ogbomo, G., Oloruntoba, R., Ekpenyong, B., Mashige, K.P., **Timothy, C.**, Ishaya, T., Langsi, R., Charwe, D. and Abu, E.K. (2021), “Opinion and uptake of chloroquine for treatment of COVID-19 during the mandatory lockdown in the sub-Saharan African region”, *African Journal of Primary Health Care & Family Medicine*, Vol. 13 No. 1, pp.1-8.

Nwaeze, O., Langsi, R., Osuagwu, U.L., Oloruntoba, R., Ovenseri-Ogbomo, G.O., Abu, E.K., **Timothy, C.G.**, Ovenseri-Ogbomo, G., Langsi, R., Charwe, D.D., Nweze, O., Oloruntoba, R. and Agho, K. (2021), “Factors affecting willingness to comply with public health measures during the pandemic among sub-Sahara Africans”, *African health Sciences*, Vol. 21 No. 4, pp. 1629 - 1639.

Mashige, K.P., Osuagwu, U.L., Ulagathan, S., Ekpenyong, B.N., Abu, E.K., Goson, P.C., Langsi, R., Nwaeze, O., **Timothy, C.G.**, Charwe, D.D. and Oloruntoba, R. (2021), “Economic, health and physical impacts of COVID-19 pandemic in Sub-Saharan African regions: A cross sectional survey”, *Risk Management and Healthcare Policy*, Vol. 14, p.4799.

Osugwu, U.L., Langsi, R., Ovenseri-Ogbomo, G., Mashige, K.P., Abu, E.K., Envuladu, E.A., Goson, P.C., Ekpenyong, B.N., Oloruntoba, R., Miner, C.A., Charwe, D.D., **Timothy, C.G.**, Ishaya, T., Amiebenomo, O.M., Lim, D. and Agho, K.E. (2022), “Analysis of Perception, Reasons, and Motivations for COVID-19 Vaccination in People with Diabetes across Sub-Saharan Africa: A Mixed-Method Approach”, *Int J Environ Res Public Health*, Vol. 19 No. 13, pp. 7875.

Envuladu, E. A., Miner, C. A., Oloruntoba, R., Osugwu, U. L., Mashige, K. P., Amiebenomo, O. M., Abu, E. K., **Timothy, C. G.**, Ovenseri-Ogbomo, G., Ekpenyong, B. N., Langsi, R., Goson, P. C., Charwe, D. D., Ishaya, T. and Agho, K. E. (2022), “International Research Collaboration During the Pandemic: Team Formation, Challenges, Strategies and Achievements of the African Translational Research Group”, *International Journal of Qualitative Methods*, Vol. 21. <https://doi.org/10.1177/16094069221115504>

FACULTY OF TOURISM, HOSPITALITY AND MANAGEMENT

Faculty of Tourism, Hospitality and Management Studies was founded with the objective of producing scarce human resources to grow Malawi's hospitality and tourism sectors. The Faculty strives to produce graduates that are equipped with professional technical knowledge and skills in tourism planning, hospitality management, management, research and development. Graduates from the faculty are engaged as planners, consultants, managers and entrepreneurs in the private, public and non-governmental sectors. The Faculty has three operational departments. These include Tourism, Hospitality Management, and Management and Entrepreneurial Studies.

VISION

To position Mzuzu University as a competitive and institution of choice for Tourism, Hospitality, Management, and entrepreneurial studies, research, and consultancy in Malawi, SADC region and beyond.

MISSION

To provide high quality education, training, research and complimentary services in tourism, hospitality, management, sports and entrepreneurial studies in partnership with the tourism industry, to meet the political, social, technological, and economic needs of the nation, individuals and communities in Malawi and beyond.

RESEARCH ACTIVITIES

Academic members of staff in the Faculty of Tourism, Hospitality and Management Studies carry out research in service quality, hospitality management and marketing, tourism development, and tourism marketing.

DEPARTMENT OF TOURISM

The Department of Tourism was opened in 2007 as one of the two maiden departments in a newly founded Faculty of Tourism and Hospitality Management. With an initial student population of only 20, the Department has seen tremendous growth in the number of applicants as well as admissions into its programmes which has also grown from one to four. Boasting ten years of service excellence in the Tourism Education Sector, the Department is dedicated to ensuring that the right crop of students enter onto the tourism job market in Malawi and abroad.

The interplay of staff enthusiasm, expertise, dedication to service quality and good relationship with the industry, empowers our students to develop professional skills relevant for the industry with confidence to deliver. The Department emphasises diligence in teaching, student experience and constant contact with the communities we operate in.

MISSION

To provide high quality tourism education, training and research and complimentary services in partnership with the tourism industry, to meet the political, social, technological, and economic needs of the tourism industry, individuals and communities in Malawi.

RESEARCH AREAS

Members of staff in the Department of Tourism carry out research in the following areas: Tourism development, sustainable tourism, and tourism marketing.

JAMES MALITONI CHILEMBWE, PhD; MSc; BSc; Adv. Dip. IATA; Dip. Tour. Mgt

ORCHID: <https://Orcid.org/0000-0002-3482-5073>

RESEARCH INTERESTS

- Air Transport Management
- Corporate Social Responsibility
- Tour Operations and Management
- Tourism Mobility
- Travel Agency Operations and Management

Title of PhD Thesis:

Exploring Corporate Social Responsibility Practices in the Tourism Industry. The Case Study of Tour Operators and Travel Agencies in Malawi.

Title of Master's Dissertation:

Evaluation of Service Quality, Value, and Satisfaction of Air Transportation. A Case Study of Air Malawi.

BOOK CHAPTER PUBLICATIONS

Chilembwe, J.M. (2021), "The role of visitor in stewardship and volunteering in tourism", in Fennell, D.A. (Ed.), *Routledge Handbook of Ecotourism*. London: Routledge, pp. 157 - 170.

Chilembwe, J.M. (2021), "Destination Israel and Malawi wanderlusts", in Cuffy, V.V., Bakas, F. and Coetzee, W.J.L. (Eds.), *Events Tourism: Critical Insights and Contemporary Perspectives*. London: Routledge, pp. 163 – 183.

Chilembwe, J.M. and Mweiwa, V.R. (2020), "The future of our planet is technology: Is it Ok to embrace the change in travel and tourism industry in the developing world?" in: Hassan, A., & Sharma, A. (Eds.), *The Emerald Handbook of ICT in Tourism and Hospitality*. Bingley: Emerald, pp. 489 – 507.

Chilembwe, J.M. and Gondwe, F.W. (2020), "Role of social media in travel planning and tourism destination decision making", in Ramos, C.M.Q., De Almeida, C.R. and Fernandes, P.O. (Eds.), *Handbook of Research on Social Media Applications for the Tourism and Hospitality Sector*. Hershey, PA: IGI Global, pp. 36-51.

Chilembwe, J.M. and Mweiwa, V.R. (2020), "Peer influence mechanism of travel experience sharing on social network sites", in Ramos, C.M.Q., De Almeida, C.R., & Fernandes, P.O. (Eds.), *Handbook of*

Research on Social Media Applications for the Tourism and Hospitality Sector, Hershey, PA: IGI Global, pp. 17-35.

Chilembwe, J.M. (2019), “Nature tourism, wildlife resources and community-based conservation in Malawi”, in Stone, M.T., Lenao, M. and Moswete, N. (Eds.), *Natural Resources, Tourism and Community Livelihoods in Southern Africa*, London, UK, Routledge, pp. 26-37.

Mweiwa, V.R., **Chilembwe, J.M.** and Mankhomwa, E. (2019), “The influence of government policy on sustainable tourism development in Malawi”, in Sharma, C., Fernandez, J.I.P. and Hassan, A. (Eds.), *Sustainable Destination Branding and Marketing: Strategies for Tourism Development*. London, UK: CABI, pp. 143 – 153.

Mankhomwa, E., **Chilembwe, J.M.** and Mweiwa, V.R. (2019), “The role of tourism, food, destination branding and marketing”, in: Sharma, A., Fernandez, J.I.P., and Hassan, A. (Eds.), *Sustainable Destination Branding and Marketing: Strategies for Tourism Development*. London, UK: CABI, pp. 24 – 36.

Chilembwe, J.M. and Mweiwa, V.R. (2019), “Responsible travel and tourism adventure: evidence from Malawi as a tourist destination”, in Sharma, A. (Eds.), *Sustainable Tourism Development: Futuristic Approaches*, Florida, USA: Apple Academic Press, Inc, pp. 31-53.

Chilembwe, J.M., Mweiwa, V.R. and Mankhomwa, E. (2018), “Role of tour operators in destination tourism marketing in Malawi”, in Camilleri, M.A. (Eds.), *Strategic Perspectives in Destination Marketing*, Hershey, PA: IGI Global Publishers, pp. 295-321.

Chilembwe, J.M. and Sepula, M.B. (2017), “Corporate social responsibility practices in the tourism and hospitality industry in Malawi”, in Koutra, C. (Ed.), *Social Responsibility: Application of Good Practices and Malpractices in Tourism and Hospitality Industry in the Developing World*, Hauppauge, New York: Nova Science Publishers, pp. 87-118.

JOURNAL PUBLICATIONS

Chilembwe, J.M. (2017), “Bicycles transport sustainability opportunities for tourism development: Case study of Mzuzu City, Malawi”, *International Journal of Tourism & Hospitality Reviews (IJTHR)*, Vol. 4 No. 1, pp. 1- 9.

Chilembwe, J.M. and Mponda, I.K. (2016), “Tourism sustainable governance practices in Malawi as a tourist destination: The challenges and opportunities for tourism development”, *Tourism Spectrum*, Vol. 2 No. 1, pp. 1-10.

CONFERENCE PAPERS

Chilembwe, J.M., Lennon, J.J., and Harris, J. Corporate social responsibility practices in the tourism industry in Malawi. Paper presented at the Travel and Tourism Research Association (TTRA) Europe Chapter Conference held in Innsbruck: Austria, 28 - 30 September, 2020.

Chilembwe, J.M., Lennon, J.J., and Harris, J. Exploring corporate social responsibility practices in the tourism industry. The case of travel agencies and tour operators in Malawi. Paper presented at the PhD Research Network held in Scotland: UK, 14 August, 2020.

Chilembwe, J.M., Lennon, J.J., and Harris, J. Contribution of corporate social responsibility practices to socially responsible tourism development in Malawi's tourism firms. Paper presented at the INC 2020 - Tourism, Hospitality and Events International Conference held in Leeuwarden: Netherlands, 10 - 11 June, 2020.

Chilembwe, J.M., Mweiwa, V.R., and Gondwe, F.W. Air transport, passenger connectivity and mobility challenges: Lessons from Malawi. Paper presented at the 9th Advances in Hospitality and Tourism Marketing and Management Conference held in Portsmouth, UK: July 9 - 12, 2019.

Chilembwe, J.M. Drivers and inhibitors of corporate social responsibility practices in the travel and tourism industry in Malawi. Travel and Tourism Research Association (TTRA) Europe Chapter Conference held in Poole, Bournemouth: UK, 8 - 10 April, 2019.

Chilembwe, J.M. Implementation challenges of corporate social responsibility practices in the travel and tourism industry in Malawi. Paper presented at the 4th Tourism Research Network PhD/ECR Symposium held in Sheffield: UK, 14 - 15 May, 2019.

Chilembwe, J.M., Lennon, J.J., and Harris, J. Can travellers influence the implementation of corporate social responsibility (CSR) in the travel destination choice? Evidence from Malawi. Paper presented at the 3rd International Research Symposium in Tourism, Hospitality and Events Management held in Sunderland: UK, 23 May, 2019.

Chilembwe, J.M. Drivers and barriers of corporate social responsibility (CSR) practices in travel agencies and tour operators in Malawi. Paper presented at the BU Tourism and Hospitality Visitor Conference held in Poole, Bournemouth: UK, 4 - 6 September, 2017.

Chilembwe, J.M., Mponda, I.K., and Ngwira, C. Tourism sustainable governance practices in Malawi as a tourist destination. Paper presented at the International Conference in Hospitality and Tourism Management held in Surrey: UK, 19 - 22 July, 2016.

GRACE KAMANGA, MTour; BSc

ORCID: <https://orcid.org/0000-0002-2381-6059>

RESEARCH INTERESTS

- Destination management
- Sustainable tourism
- Women empowerment
- Tourism security
- Higher education

Title of Master's Dissertation:

Corporate social responsibility (CSR) practices in the tourism industry in Malawi.

BOOK CHAPTER PUBLICATIONS

Njoloma, E. and **Kamanga, G.** (2025), "Assessing the Preparedness of Malawi's Tourism and Hospitality Industry for Terrorist Attacks", in Rami, K. I., Shem, W. M. and Vanessa, G.B.G. (Eds). *The Routledge Handbook of Tourism Safety, Security and Resilience Integrated Community-Based Approaches*, London: Routledge.

Kamanga, G. and Njoloma, E. (2019), "The socio-economic impact of tourism on local community in Nkhata Bay District, Malawi", in Gursory, D. and Nunkoo, R. (Eds.), *The Routledge Handbook of Tourism Impacts: Theoretical and Applied Perspectives*, London: Routledge, pp. 265-277.

JOURNAL ARTICLE PUBLICATIONS

Bello, F., **Kamanga, G.** and Jamu, E.S. (2019), "Skills gaps and training needs in the tourism sector in Malawi", *African Journal of Hospitality, Tourism and Leisure*, Vol. 8 No. 4, pp. 1 - 18.

Njoloma, E., and **Kamanga, G.** (2019), "The effects of crime on tourists' travel decisions to Malawi", *African Journal of Hospitality, Tourism and Leisure*, Vol. 8 No. 3, pp. 1-11.

Bello, F. G., & **Kamanga, G.** (2019). Residents' perceptions of tourism development in developing countries: the case of Malawi. *Tourism Today*, 79.

Mzembe, A. N., Novakovic, Y., Melissen, F. and **Kamanga, G.** (2019), "Institutional bricolage as an antecedent of social value creation in a developing country's tourism and hospitality industry",

Corporate Social Responsibility and Environmental Management. DoI: <https://doi.org/10.1002/csr.1740>.

Bello, F. G. and **Kamanga, G.** (2018), “Drivers and barriers of corporate social responsibility in the tourism industry: The case of Malawi”, *Development Southern Africa*. DOI: 10.1080/0376835X.2018.1555028.

Kamanga, G. and Bello, F.G. (2018), “Exploring corporate social responsibility (CSR) in the tourism industry: The case of Malawi”, *Tourism Review International*, Vol. 22 No. 2, pp. 117-130.

Bello, F.G., Banda, W. and **Kamanga, G.** (2017), “Corporate social responsibility (CSR) practices in the hospitality industry in Malawi”, *African Journal of Hospitality, Tourism and Leisure*, Vol. 6 No. 3, pp. 1-21.

CONFERENCE PAPERS

Kamanga, G. Eco-Cultural Tourism as an Opportunity to Empower Rural Women in Sub-Saharan Africa: A Case of Protected Areas in Malawi. Paper presented at the 8th Asia Euro Conference 2023 Tourism, Hospitality & Gastronomy Conference ISTHIA - University of Toulouse - Jean Jaurès, France from 22 – 24 November 2023.

Kamanga, G. Women empowerment and ecotourism: a case of Malawi. Presented at the 27th APTA Conference in Jeju, Korea, from 6 – 8 July, 2022.

Mzembe, A.N. and **Kamanga, G.** Exploring the role of founders’ identities and motivations in social value creation in the Malawian Tourism and Hospitality Industry. Paper presented at the European Academy of Management (EURAM) conference held in Lisbon, Portugal from 26 – 28 June, 2019.

ZANDIVUTA KANKHUNI, PhD; CHIA; MMgt; BSc.

ORCID: <https://orcid.org/0000-0003-4458-7037>

RESEARCH INTERESTS

- Destination competitiveness
- Destination branding
- Sustainable tourism
- Tourism experience design
- Tourist behaviour

Title of PhD Thesis:

The impact of perceived destination competitiveness on tourist-based destination brand equity in emerging destinations.

Title of Master's Dissertation:

Tourist Destination Branding in a Country Context: An Analysis of Malawi's Branding Efforts.

JOURNAL PUBLICATIONS

Otoo, F. E., Ngwira, C. and **Kankhuni, Z.** (2022), "Understanding urban festival attendees' involvement in Hong Kong dragon boat festival", *International Journal of Tourism Cities*, Vol. 8 No. 4, pp. 1079-1101.

Kankhuni, Z., Ngwira, C., Sepula, M. B. and Kapute, F. (2022), "Modelling the relationship between higher education service quality, student engagement, attachment, satisfaction, and loyalty: a case of a Malawian public university", *Journal of Teaching in Travel and Tourism*. <https://doi.org/10.1080/15313220.2022.2128983>

Kankhuni, Z. and Ngwira, C. (2021), "Overland tourists' natural soundscape perceptions: influences on experience, satisfaction, and electronic word-of-mouth", *Tourism Recreation Research*, Vol. 47, pp. 5-6.

Chen, X., Mak, B. and **Kankhuni, Z.** (2020), "Storytelling approach of the self-reported slow adventure to Tibet: Constructing experience and identity", *Tourism Management Perspectives*, Vol. 35. <https://doi.org/10.1016/j.tmp.2020.100679>

Kankhuni, Z. (2020), "Tourism destination branding in Malawi: A supply-side perspective", *African Journal of Hospitality, Tourism and Leisure*, Vol. 9 No. 1, pp. 1-21.

Kankhuni, Z. and Ngwira, C. (2019), "Exploring the relationship between travel motivations and preferred tourist attractions: A case of New Zealand and the United Kingdom", *Ottoman: Journal of Tourism and Management Research*, Vol. 4 No. 1, pp. 378-395.

Ngwira, C. and **Kankhuni, Z.** (2018), "What attracts tourists to a destination? Is it attractions?" *African Journal of Hospitality, Tourism and Leisure*, Vol. 7 No. 1, pp. 1-19.

CONFERENCE PAPER

Wong, A., **Kankhuni, Z.**, Kim, S. S. A case study of hotel management response to negative online reviews: An application of Triple A typology. Paper presented at the APacCHRIE 2020 Conference, Hong Kong, October 27-28, 2020.

CECILIA NDAMIWE NGWIRA, PhD: M. Mgt; BSc.

ORCID: <https://orcid.org/0000-0003-1792-3445>

RESEARCH INTERESTS:

- Destination brand experiences
- Tourism education
- Cultural heritage tourism
- Destination management

Title of PhD Thesis:

Destination Brand Experiences: Scale development and validation.

Title of Master's Dissertation:

Malawian museums development from a tourism and leisure industry perspective.

JOURNAL PUBLICATIONS

Ngwira, C., Tung, V. W. S. and Tse, S. W. T. (2022), "Extending the Conceptualization of Destination Brand Experiences", *Journal of Travel Research*, <https://doi.org/10.1177/00472875221127684>. **SSCI.**

Kankhuni, Z., **Ngwira, C.,** Sepula. M. B. and Kapute, F. (2022), "Modelling the relationship between higher education service quality, student engagement, attachment, satisfaction, and loyalty: a case of a Malawian public university", *Journal of Teaching in Travel & Tourism*, DOI: 10.1080/15313220.2022.2128983.

Otoo, F. E., **Ngwira, C.** and Kankhuni, Z. (2022), "Understanding urban festival attendees' involvement in Hong Kong dragon boat festival", *International Journal of Tourism Cities*, Vol. 8 No. 4, 1079-1101.

Chauma, E. C. and **Ngwira, C.** (2021), "Managing a World Heritage Site in Malawi: do residents' sentiments matter?" *Journal of Heritage Tourism*, Vol. 17 No. 2, pp. 142-157.

Kankhuni, Z. and **Ngwira, C.** (2021), "Overland tourists' natural soundscape perceptions: influences on experience, satisfaction, and electronic word-of-mouth", *Tourism Recreation Research*, Vol. 47 No. 5-6, pp. 591-607.

Ngwira, C., Tse, S. and Vongvisitsin, T. (2020), "Negotiation Strategies and Constraints for Solo Female Travelers in Africa", *Tourism Culture & Communication*, Vol. 20 No. 1, pp. 35-47.

Kankhuni, Z. and **Ngwira, C.** (2019), “Exploring the relationship between travel motivations and preferred tourist attractions: a case of New Zealand and the United Kingdom”, *Ottoman: Journal of Tourism and Management Research*, Vol. 4 No. 1, pp. 378-395.

Ngwira, C. and Kankhuni, Z. (2018), “What attracts tourists to a destination? Is it attractions”, *African journal of hospitality, tourism and leisure*, Vol. 7 No. 1, pp. 1-19.

Ngwira, C. and Bello, F. G. (2018), “Museums as a vehicle for domestic tourism growth in Malawi: an analysis of the push and pull factors”, *African Journal of Hospitality, Tourism and Leisure*, Vol. 7 No. 1, pp. 1-18.

DEPARTMENT OF HOSPITALITY MANAGEMENT

The Department of Hospitality Management was established under the Faculty of Tourism, Hospitality and Management in 2007 following the performance gaps that existed in the tourism and hospitality industry as revealed by the training needs assessment survey conducted by a team of researchers drawn from University of Malawi and the Ministry of Tourism in the year 2000.

VISION

The Department strives to address the growing need for well-trained and highly skilled workforce in the hospitality industry by adopting a competency-based curriculum and producing employable graduates who possess a sound theoretical and practical base.

MISSION

Delivering potential leaders to the hospitality industry with a holistic view of hospitality as a form of business, a service industry and also a social practice, with broad cultural, political, economic and environmental connectedness and implications.

RESEARCH INTERESTS

The Department is taking a leading role in championing research in the following areas of hospitality: Sustainability; service quality; hospitality management and marketing.

LAMECK ZETU KHONJE, PhD; MA; BTech.

ORCID: <https://orcid.org/0000-0001-7401-3590>

RESEARCH INTERESTS

- Environmental injustices
- Responsible tourism and hospitality practices
- Climate change
- Policy and legal frameworks in tourism and hospitality businesses.

Title of PhD Thesis:

Sustainable Consumption and Production Practices in Hospitality Industry in Lilongwe – Malawi.

Title of Master's Thesis:

Environmental Management Practices in the Accommodation Sector in Malawi.

JOURNAL PUBLICATIONS

Khonje, L. Z., Bello, F. G. and Sepula, M. B. (2021), “Sustainable Environmental Practices in Malawian Hotels”, *African Journal of Hospitality, Tourism and Leisure*, Vol. 10 No. 1, pp. 376-387.

Khonje, L.Z., Simatele, M.D. and Musavengane, R. (2020), “Environmental sustainability innovations in the accommodation sub-sector: Views from Lilongwe, Malawi”, *Development Southern Africa*, Vol. 37 No. 2, pp. 312-327.

Khonje, L.Z., Simatele, M.D. and Musavengane, R. (2019), “A Critical Review of Common Methodological Approaches in Environmental Sustainability Practices within the Hotel Sector: In Pursuit of a Befitting Synthesis”, *e-Review of Tourism Research (eRTR)*, Vol. 16, No. 5, pp. 400 -433.

Khonje, L.Z., Simatele, M.D. and Musavengane, R. (2019), “Examining governance and growth of the hotel sector in Malawi: An environmental metabolic rift perspective”, *African Journal of Hospitality, Tourism and Leisure*, Vol. 8 No. 3, pp. 1-15.

MICHAEL BENNETT SEPULA, PhD; MSc; B Ed; Dip.

ORCHID: <https://orcid.org/0000-0001-8979-748X>

RESEARCH INTERESTS

- Hotel Service Quality
- Customer Satisfaction
- Corporate Social Responsibility in the Hospitality Industry
- Sustainable Hospitality Operations Practices
- Food Safety Management

Title of PhD Thesis:

Hotel rating system dimensions as determinants of service expectations and customer satisfaction in star-rated hotels in selected cities in Malawi.

Title of Master's Dissertation:

Assessing determinants of consumer perceptions of service quality, its improvement and image in Malawian Lodges: Focusing on employees' expectations and perceptions.

JOURNAL PUBLICATIONS:

Kankhuni, Z., Ngwira, C., **Sepula, M. B.**, & Kapute, F. (2022), "Modelling the relationship between higher education service quality, student engagement, attachment, satisfaction, and loyalty: a case of a Malawian public university", *Journal of Teaching in Travel & Tourism*, pp. 1-24. <https://doi.org/10.1080/15313220.2022.2128983>

Khonje, L. Z., Bello, F. G. and **Sepula, M. B.** (2021), "Sustainable Environmental Practices in Malawian Hotels. *African Journal of Hospitality, Tourism and Leisure*, Vol. 10 No. 1, pp. 376-387.

Sepula, M. B. (2019), "Predicting customer satisfaction using a two-level service expectation framework: Empirical evidence from star rated hotels in Malawi", *African Journal of Education, Science and Technology*, Vol. 5 No. 3, pp. 100 - 115.

Sepula, M.B. and Bello, F.G. (2019), "Guests' perceptions of official hotel rating system dimensions in star-rated hotels in Malawi", *Global Review of Research in Tourism, Hospitality and Leisure Management*, Vol. 5 No. 1, pp. 715 - 743.

Sepula, M.B., Kieti, D.M., Korir, J.C., Cheloti-Mapelu, I. and Bello, F.G. (2018), “Does grading standard dimension of hotel rating system predict customer satisfaction? Empirical evidence from Malawi”, *Journal of Tourism and Hospitality Management*, Vol. 6 No. 2, pp. 149 - 163.

Sepula, M. B. and Shirandula, D. (2017), “Influence of customer service on the performance of hospitality enterprises: Lessons from sunbird tourism limited in Malawi”, *African Journal of Tourism, Hospitality and Leisure Studies*, Vol. 3 No. 1, 6-16.

Shirandula, D., Cheloti-Mapelu, I. and **Sepula, M. B.** (2017), “Relationship between gender and proactive work behaviour in the Kenya’s hotel industry”, *African Journal of Tourism, Hospitality and Leisure Studies*, Vol. 3 No. 1, pp. 1- 5.

BOOK CHAPTER PUBLICATIONS

Chilembwe, J.M. and **Sepula, M.B.** (2017), “Corporate social responsibility practices in the tourism and hospitality industry in Malawi”, in Koutra, C. (Ed.), *Social responsibility: Application of good practices and malpractices in tourism and hospitality industry in the developing world*, Hauppauge, New York: Nova Science Publishers, pp. 87-118.

CONFERENCE PAPERS

Malesi, K. L., Rotich, D., Korir, J. and **Sepula, M. B.** Nutritional composition of flakes developed from finger millets. Paper presented at 6th International Interdisciplinary Conference (IIC-2019) on “Towards Achievement of Sustainable Development Goals (SDs): Opportunities and Challenges” held at the University of Eldoret, Eldoret, Kenya in 2019.

Sepula, M. B., Kieti, D. M., Korir, J. C. and Cheloti-Mapelu, I. Hotel rating system dimensions as determinants of customer satisfaction in selected star-rated hotels in Malawi. Paper presented at ATLAS Africa Conference 2019 on “Tourism and Innovation” held at Makerere University, Kampala, Uganda in June 2019.

Sepula, M. B. and Korir, J. C. Harmonisation of hotel rating systems in Southern Africa: Benefits and challenges for the hospitality industry in Malawi. Paper presented at the 2nd Annual International Conference on “Supporting Green Growth and Knowledge Economy through Research Innovation and Technology for Sustainable Development” held at Machakos University, Machakos, Kenya in April 2019.

Sepula, M. B. Do Service Expectations predict customer satisfaction? Empirical evidence from star rated hotels in Malawi. Abstract presented at an African Studies Association of the UK

(ASAUK)/British Academy Workshop on “Academic Publishing: Challenges and Opportunities”. School of Arts and Social Sciences held at Moi University, Main Campus, Eldoret, Kenya in December 2018.

Sepula, M. B. and Mhango, G. M. K. Tourism and hospitality policy strengths, weaknesses and its effectiveness: Lessons from Malawi. Paper presented at the Academy for Global Business Advancement’s (AGBA) 14th World Congress on “Business and Entrepreneurship Development in a Globalized Era” held at Moi University, Eldoret, Kenya in November 2018.

Sepula, M. B. Assessing determinants of consumer perceptions of service quality, its improvement and image in Malawian Lodges: The employees’ perspective. Paper presented at ATLAS Africa Conference 2017 on “Africa's Tourism and Travel Competitiveness: Opportunities and challenges” held at Moi University, Eldoret, Kenya in June 2017.

Sepula, M. B. Influence of hotel grading system on the relationship between service quality and customer satisfaction in selected star-rated hotels in Malawi. Paper presented at ATLAS Africa Conference 2017 on “Africa's Tourism and Travel Competitiveness: Opportunities and challenges” held at Moi University, Eldoret, Kenya in June 2017.

Shirandula, D. and **Sepula, M. B.** Relationship between gender and proactive work behaviour in the Kenya’s hotel industry. Paper presented at ATLAS Africa Conference 2017 on “Africa's Tourism and Travel Competitiveness: Opportunities and challenges” held at Moi University, Eldoret, Kenya in June 2017.

LIBRARY AND LEARNING RESOURCES CENTRE

The Library and Learning Resources Centre (LLRC) is the information hub of the University. It caters for the information needs of its clients (academic and non-academic staff, students, administrative staff and other researchers). Other activities undertaken by LLRC include managing information literacy sessions of its clients, assisting in literature searches of staff and students, and advising on appropriate and ethical use of information, among others. LLRC staff undertake consultancies related to the setting up of new libraries and information centres, and carry out library visits as part of the outreach mission.

The LLRC has six main sections that include Readers Services, Serials and Periodicals, Malawiana and Special Collections, Technical Services, Children's and Outreach Services, and Administration. Each of these sections are headed by an Assistant Librarian who belong to the academic staff cadre of the University.

VISION

To be a leading, dynamic, inclusive and innovative library and learning resources centre in Malawi and beyond in providing and facilitating access to, and use of up-to-date information to support teaching, learning, research and outreach activities.

MISSION

To provide up-to-date and relevant information resources; promote the effective utilisation of those resources; and facilitate rapid access to information held within and in remote places through conventional and electronic means to Mzuzu University community and other stakeholders.

RESEARCH ACTIVITIES

LLRC staff carry out research in areas of pressing need. These endeavours have given rise to research out in form of conference papers and journal articles. Much of the research output attributed to LLRC staff falls within the broad areas of ICT application in libraries and information centres, information behaviour, information literacy, social inclusion of information centres, youth and children information services, disaster management in information centres, and use of open-source information resources. The profiles and research out of LLRC staff are presented below.

AUBREY HARVEY CHAPUTULA, PhD; MLIS; BA (Ed)

ORCID: <http://orcid.org/0000-0003-3753-9934>

RESEARCH INTERESTS

- ICT applications in libraries
- Collection development and management
- Training and human resource issues in libraries
- Social media applications in libraries
- Social inclusiveness in information centres

Title of PhD Thesis:

eReadiness of Public University Libraries in Malawi with Special Reference to the Use of Mobile Phones in the Provision of Library and Information Services.

Title of Master's Dissertation:

The development of academic library collection in Malawi: A case of Chancellor College Library.

JOURNAL PUBLICATIONS

Kanyundo, A.J., **Chaputula, A.** and Dube, G. (2024), "Unveiling the economic impact of information sharing through storytelling: Testimonies of business women at the American corner in Mzuzu City, Malawi", *Social Sciences & Humanities Open*, Vol. 10, No. 2024), pp. 1-9. DOI: <https://doi.org/10.1016/j.ssaho.2024.101115>

Chaputula, A.H. and Kapondera, S.K. (2023), "Print Book and e-Book Collections in Academic Libraries in Malawi", *Collection Management*, Vol. 48 No. 4, pp. 375 -396.

Chaputula, A.H. (2023), "Tracking progress in the implementation of the Access to Information (ATI) Act", *Global Knowledge, Memory and Communication*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/GKMC-03-2023-0092>.

Mapulanga, P., Chisoni, F. and **Chaputula, A.H.** (2023), "Information literacy skills and competencies of nursing students at Kamuzu University of Health Sciences in Malawi", *South African Journal of Libraries and Information Science*, Vol. 89 No. 1, pp. 1-13.

Chaputula, A.H. (2022), "E-records management practices in public universities: a developing country perspective", *Records Management Journal*, Vol. 32 No. 3, pp. 213-230.

Kamenye, L.N., **Chaputula, A.H.** and Mapulanga, P. (2022), “eReadiness of the Namibia University of Science and Technology Library to deliver library and information services through mobile phone technology”, *South African Journal of Libraries and Information Science*, Vol. 88 No. 1, pp. 1-10.

Chaputula, A. (2021), "Effects of digital devices on noise levels in an academic library", *Digital Library Perspectives*, Vol. 37 No. 4, pp. 401-415.

Chaputula, A.H., Abdullah, H. and Mwale, B. (2020), "Proliferation of social media in academic libraries: use of WhatsApp as a platform for providing library services", *Library Management*, Vol. 41 No. 8/9, pp. 717-729.

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Chaputula, A.H. and Mutula, S. (2018), "eReadiness of public university libraries in Malawi to use mobile phones in the provision of library and information services", *Library Hi Tech*, Vol. 36 No. 2, <https://doi.org/10.1108/LHT-10-2017-0204>.

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Chaputula, A.H. (2014), “Job prospects for Mzuzu University library and information science graduates”, *New Library World*, Vol. 115 No. 11/12, pp. 571-587.

Chaputula, A.H. and Kanyundo, A. (2014), “Collection development policy: How its absence has affected collection development practices at Mzuzu University Library,” *Journal of Librarianship and Information Science*, Vol. 46 No. 4, pp. 317-325.

Chaputula, A.H. (2014), “Collection development practices in some selected private university libraries in Malawi,” *Library Management*, Vol. 35 No. 3, pp. 150-163.

Chaputula, A.H. and Majawa, F. (2013), “Use of social networking sites (SNSs) by mass media organisations in Malawi,” *Aslib Proceedings: New Information Perspectives*, Vol. 65 No. 5, pp. 534-557.

Chaputula, A.H. (2012), “State, adoption and use of ICTs by students and academic staff at Mzuzu University, Malawi,” *Program: Electronic Library and Information Systems*, Vol. 46 no. 4, pp. 364-382.

Chaputula, A.H. (2011), “Impact of the global economic crisis on academic libraries in Malawi: a case study of University of Malawi and Mzuzu University libraries”, *Library Management*, Vol. 32 No. 8/9, pp. 565-578.

Chaputula, A.H. and Boadi, B.Y. (2010), “Funding for collection development activities at Chancellor College Library, University of Malawi,” *Collection Building*, Vol. 29 No. 4, pp. 142 – 147.

CONFERENCE PAPERS

Ngwira, F., Mapulanga, P., **Chaputula, A.**, Chapepa, G.G. and Phiri, A. Adoption of Library Discovery Systems in Academic Libraries in Malawi. Paper presented at the MALA-DIS 2nd Research Dissemination Conference Transforming Library and Information Services to realise the Malawi we want by 2063 held at Nkopola Lodge in Mangochi, Malawi, 23rd May, 2024.

Abdullah, H.L. and **Chaputula, A.** Survival mechanisms under the new order? Resource mobilisation activities undertaken by University of Livingstonia and St John of God College of Health Sciences libraries. Paper presented at the MALA-DIS 2nd Research Dissemination Conference Transforming Library and Information Services to realise the Malawi we want by 2063 held at Nkopola Lodge in Mangochi, Malawi, 23rd May, 2024.

Chaputula, A.H. Libraries as a vehicle for community transformation: Assessing the impact of Kwakupokela Community Library on the well-being of community members. Paper presented at the joint Library and Information Association of South Africa (LIASA) – Standing Conference for Eastern, Central and Southern Africa Library and Information Associations (SCECSAL) Conference held from 4 to 7 October 2022 at the Radisson Hotel and Conference Centre, Johannesburg, South Africa.

Chaputula, A., Kanyundo, A. and Malemia, L. Technology-based library orientation and user education programme: strides made by Mzuzu university library. Paper presented at the XXIV SCECSAL Conference on Inclusive Libraries and Information Services Toward Achieving Prosperity for Sustainable Development in Africa held at Hotel Safari, Windhoek, Namibia from 8th-11th February 2021.

Kanyundo, A., Dube, G. and **Chaputula, A.** Empowering women economically through information sharing: experiences from Mzuzu university American corner. Paper presented at the XXIV SCECSAL Conference on Inclusive Libraries and Information Services Toward Achieving Prosperity for

Sustainable Development in Africa held at Hotel Safari, Windhoek, Namibia from 8th-11th February 2021.

Chaputula, A.H. Role played by an academic library in fostering a reading culture amongst children with special needs. Paper presented at Session 137 of the African Libraries, as Catalyst for Economic Social and Cultural Development – Africa of the IFLA WLIC 2018 – Kuala Lumpur, Malaysia – Transform Libraries, Transform Societies on 27 August 2018.

Chaputula, A.H. and Mutula, S. eReadiness of Mzuzu University Library with special reference to use of mobile phones in the provision of library and information services to distance education learners. Paper presented at the SCECSAL 2016 conference held at the Royal Swazi Sun, eZulwini, Swaziland, 25 to 29 April, 2016.

Chaputula, A.H. Mobile banking services in Malawi. Paper presented at the National ICT Week held in Lilongwe, Malawi, 9 to 11 December, 2013.

Chaputula, A.H. Training of Library and Information Science professionals in Malawi: challenges and prospects. Paper presented at the 72nd Norwegian Library Conference held in Hamar, Norway, 16 to 19 March, 2010.

MALOTO CHAURA, MLIS; BLIS; Dip. (LIS)

ORCID: <https://orcid.org/0000-0003-4715-2709>

RESEARCH INTERESTS

- Information behavior of library users
- Information literacy

Title of Master's dissertation:

Information Behaviour of Fourth Year Students of Mzuzu University in Malawi.

JOURNAL PUBLICATIONS

Chipeta, G., Dube, G., Chawinga, W., Malemia, L. and **Chaura, M.** (2018), "Information-seeking behavior of first-year undergraduate students at Mzuzu University, Malawi", *Mousion*, Vol. 16 No. 1, pp. 1-18.

Chaura, M. (2015), "Information behavior of final year students of Mzuzu University, Malawi", *Library Philosophy*, Vol. 4 No. 27, pp. 1-26.

CONFERENCE PAPERS

Chaura, M., Kanyundo, A and Chipeta, M. (2021), "Perceptions of Mzuzu University final year nursing students on the health information systems in Malawian hospitals", in Mnubi-Mchombu, C., Nengomasha, C. and Uutoni, W. (Eds.) *Inclusive libraries and information services towards achieving prosperity for sustainable development in Africa: XXIV SCECSAL Conference held at the Safari Hotel and Conference Centre, Windhoek, Namibia, from 8th to 11th February*, Vol. 24 (1), 280-288.

Chaura, M., Malemia, L. and Kalima, R. (2021), "Evaluating Information literacy skills of Final Year Open and Distance e-Learning students at Mzuzu University, Malawi," in Mnubi-Mchombu, C., Nengomasha, C. and Uutoni, W. (Eds.) *Inclusive libraries and information services towards achieving prosperity for sustainable development in Africa: XXIV SCECSAL Conference held at the Safari Hotel and Conference Centre, Windhoek, Namibia, from 8th to 11th February, 2021.*

Ngwira, F. and Chaura, M. Digital inclusion: Use of digital technology to increase engagement with collections amongst Open Distance and e-learning ODeL students of public universities in Malawi. in Mnubi-Mchombu, C., Nengomasha, C. and Uutoni, W. (Eds.) *Inclusive libraries and information services towards achieving prosperity for sustainable development in Africa: XXIV SCECSAL*

Conference held at the Safari Hotel and Conference Centre, Windhoek, Namibia, from 8th to 11th February, 2021.

Chaura, M., Malemia, L. and Ngwira, F. Exploring the role of library and librarians in research support services: case study of Mzuzu University and Learning Resources Centre, Malawi. Paper presented at the 4th Zimbabwe University Libraries Consortium held at ZESA National Training Centre, Harare, Zimbabwe from 27th -29th March 2019.

Malemia, L., **Chaura, M.** and Abdullah, H. The academic library in the 21st Century: service quality and user satisfaction at Mzuzu University Library. Paper presented at the 4th Zimbabwe University Libraries Consortium held at ZESA National Training Centre, Harare, Zimbabwe from 27th -29th March 2019.

Malemia, L., Abdullah, H., Dube, G. and **Chaura, M.** Inclusive academic libraries in the 21st Century: a comparative study of Mzuzu University Library and St. John of God College of Health Sciences Library in Mzuzu, Malawi. Paper presented at XXIII Standing Conference of Eastern, Central and Southern African Library and Information Associations organized by the Uganda Library and Information Association held at the Imperial Resort Beach Hotel, Entebbe, Uganda from 23rd to 27th April 2018.

GIFT ALFRED DUBE, MSc (LIS); BA (Ed)

ORCID: <https://orcid.org/0000-0002-6532-348X>

RESEARCH INTERESTS

- Children and youth information service
- Libraries and literacy development
- Information seeking behavior of adolescents
- Technology and literacy development
- Internet safety for children and youth

Title of Master's Dissertation:

Funding school libraries in Malawi.

JOURNAL PUBLICATIONS

Kanyundo, A.J., Chaputula, A. and **Dube, G.** (2024), "Unveiling the economic impact of information sharing through storytelling: Testimonies of business women at the American corner in Mzuzu City, Malawi", *Social Sciences & Humanities Open*, Vol. 10, No. 2024), pp. 1-9. DOI: <https://doi.org/10.1016/j.ssaho.2024.101115>

Thindwa, T., Chawinga, W.D. and **Dube, G.** (2019), "Information - seeking behavior of security studies students: A case study", *South African Journal of Information Management*, Vol. 21 No. 1, pp. 1-10.

Chipeta, G., **Dube, G.**, and Chawinga, W., Malemia, L. and Chaura, M. (2018), "Information-seeking behavior of first-year undergraduate students at Mzuzu University, Malawi", *Mousion*, Vol. 16 No. 1, pp 1-18.

Selemani, A. Chawinga, W.D. and **Dube, G.** (2018), "Why do postgraduate students commit plagiarism? An empirical study", *International Journal for Educational Integrity*, Vol. 14 No. 7, pp. 1-15.

Dube, G.A.B. (2017), "Review of Educational Policies that Affect Funding of School Libraries in Malawi", *School Libraries Worldwide*, Vol. 23 No. 1, pp. 84-94.

CONFERENCE PAPERS

Kanyundo, A.J. and **Dube, G.A.B.** American Corners, A new service with a new taste in University Libraries: How communities are benefiting from Mzuzu University American Corner. Proceedings of the XXIII Standing Conference of Eastern, Central and Southern African Library and Information

Associations organized by the Uganda Library and Information Association held at the Imperial Resort Beach Hotel, Entebbe, Uganda from 23rd to 27th April 2018, pp. 296-315.

Dube, G.A.B., Kanyundo, A.J. and Majawa, F.P. Coping with fire disaster at Mzuzu University: Experiences from librarians and students. Proceedings of the XXIII Standing Conference of Eastern, Central and Southern African Library and Information Associations organized by the Uganda Library and Information Association held at the Imperial Resort Beach Hotel, Entebbe, Uganda from 23rd to 27th April 2018, pp. 147-167.

Malemia, L, Abdullah, H., **Dube, G.** and Chaura, M. Inclusive academic libraries in the 21st Century: A comparative study of Mzuzu University Library and St. John of God College of Health Sciences Library in Mzuzu, Malawi. Proceedings of the XXIII Standing Conference of Eastern, Central and Southern African Library and Information Associations organized by the Uganda Library and Information Association held at the Imperial Resort Beach Hotel, Entebbe, Uganda from 23rd to 27th April 2018, pp. 56-72.

Chawinga, D.W., Kanyundo, A.J., **Dube, G.** and Abdullah, H.L. Thriving on the power of a record: experiences from Mzuzu University, Malawi. Paper presented at the 24th Eastern and Southern Africa Regional Branch (ESARBICA) General Conference held at Bingu wa Mutharika International Conference Centre, Lilongwe, Malawi, 7 to 11 August, 2017.

Dube, G.A., Chawinga, D.W., Kanyundo, A.J. and Abdullah., H.L. Can a university library manage an archive and a records centre? Weighing possibilities and impossibilities at Mzuzu University, Malawi. Paper presented at the 24th Eastern and Southern Africa Regional Branch (ESARBICA) General Conference held at Bingu wa Mutharika International Conference Centre, Lilongwe, Malawi, 7 to 11 August, 2017.

Dube, G.A., Chawinga, D.W., Kanyundo, A.J. and Abdullah, H.L. The media frenzy in Malawi: An opportunity or a challenge for the Anti-Corruption Bureau? Paper presented at the 24th Eastern and Southern Africa Regional Branch (ESARBICA) General Conference held at Bingu wa Mutharika International Conference Centre, Lilongwe, Malawi, 7 to 11 August, 2017.

Dube, G. A. and Kanyundo, A. J. The 21st Century librarian as a leader in information management and information service delivery. Paper presented at the Scsecsal XX II Digital Transformation and the changing role of libraries and information Centres in the Sustainable Development of Africa conference held in Swaziland, 25 to 29 April, 2016.

ALLAN JAMES KANYUNDO, MLIS; BLIS; DLIS

ORCID: <https://orcid.org/0000-0003-1656-1008>

RESEARCH INTERESTS

- Knowledge Management
- Collection Development
- Electronic Records Management

Title of Master's Dissertation:

Knowledge Management Practices at Lilongwe University of Agriculture and Natural Resources (LUANAR) Bunda College.

JOURNAL PUBLICATIONS

Kanyundo, A.J., Chaputula, A., Dube, G. (2024). Unveiling the economic impact of information sharing through storytelling: Testimonies of business women at the American corner in Mzuzu City, Malawi. *Social Sciences & Humanities Open*, Vol. 10, No. 2024), pp. 1-9. DOI: <https://doi.org/10.1016/j.ssaho.2024.101115>

Kanyundo, A.J., Chipeta, G.T, Chawinga, W.D. (2023). An analysis of knowledge management practices at lilongwe university of agriculture and natural resources, Malawi. *Social Sciences & Humanities Open*, Vol. 8, No. 1, pp. 1-9, DOI: <https://doi.org/10.1016/j.ssaho.2023.100640>.

Chaputula, A. and **Kanyundo, A.** (2019), "Use of Koha-integrated library system by higher education institutions in Malawi", *Digital Library Perspectives*, Vol. 35 No. 3/4, pp. 117-141.

Chaputula, A.H. and **Kanyundo, A.** (2014), "Collection development policy: How its absence has affected collection development practices at Mzuzu University Library", *Journal of Librarianship and Information Science*, Vol. 46 No. 4, pp 317-325.

CONFERENCE PAPERS

Chaura, M., **Kanyundo, A.** and Chipeta, M. (2021), "Perceptions of Mzuzu University final year nursing students on the health information systems in Malawian Hospitals". Paper presented at the XXIV SCECSAL held 8th to 11th February at the Safari Hotel and Conference Centre, Windhoek, Namibia, Vol. 24 (1), 280-288.

Abdullah, H.L., Dube, G. and **Kanyundo, A.** (2021). Investigation on the use of traditional medicine by Mzuzu University staff members. Paper presented at the XXIV SCECSAL held 8th to 11th February at the Safari Hotel and Conference Centre, Windhoek, Namibia, Vol. 24 (1), 280-288.

Chaputula, A., **Kanyundo, A.** and Malemia, L. (2021). Technology-based library orientation and user education programme: strides made by Mzuzu university library. Paper presented at the XXIV SCECSAL held 8th to 11th February at the Safari Hotel and Conference Centre, Windhoek, Namibia, Vol. 24 (1), 148-154.

Kanyundo, A., Dube, G.A. and Chaputula, A. (2021). Empowering women economically through information sharing: experiences from Mzuzu university American corner. Paper presented at the XXIV SCECSAL held 8th to 11th at the Safari Hotel and Conference Centre, Windhoek, Namibia.

Kanyundo, A. and Dube. G. (2018). American Corners, a new service with a new taste in university libraries: how communities are benefiting from Mzuzu University American Corner. Paper presented at SCECSAL XXIII, 23-27 April, Entebe, Uganda, Vol. 23 (1), 296-315.

Dube GAB, **Kanyundo, AJ** Majawa, FP. (2018). Coping with fire disaster at Mzuzu University: experiences from librarians and students. SCECSAL XXIII, 23-27 April, Entebe, Uganda, Vol. 23 (1), 147-168.

Dube, G. Chawinga, W. and **Kanyundo A.** (2017). Can a university manage an archive and record centre? Weighing the possibilities and impossibilities at Mzuzu University, Malawi. Paper presented at the 24 Eastern and Southern Africa Regional Branch (ESARBICA) General Conference held at Bingu wa Mutharika International Conference Centre, Lilongwe Malawi, 7-11 August, 2017.

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Kanyundo, A and Kapondera, S.K. (2016). Relieved at last: cataloguing with LibraryThing. Paper presented at the SCECSAL XXII held 25 to 29 April at Royal Swazi Sun, eZulwini, Swaziland, Vol. 22 (1), 73-79.

Chawinga, D.W. **Kanyundo, A.J.** Dube G. and Abdullah H.L. (2017). Thriving on the power of a record: experiences from Mzuzu University, Malawi. Paper presented at the 24 Eastern and Southern Africa Regional Branch (ESARBICA) General Conference held 7-11 August at Bingu wa Mutharika International Conference Centre, Lilongwe, Malawi.

Dube G.A. and **Kanyundo A.J.** (2016). The 21st Century librarian as a leader in information management and information service delivery. Paper presented at the SCECSAL XXII held 25 to 29 April at Royal Swazi Sun, eZulwini, Swaziland, Vol. 22 (1), 73-79.

LIZZIE MALEMIA, MLIS; BSc (Ed)

ORCID: <https://orcid.org/0000 0001 8946 5952>

RESEARCH INTERESTS

- Information Behaviour
- Information Literacy

Title of Master's Dissertation:

The use of electronic journal articles by academics at Mzuzu University, Malawi.

JOURNAL PUBLICATIONS

Chipeta, G. T., Dube, G. A. B., **Malemia, L.**, Chaura, M. G., and Chawinga, W. D. (2018), "Information seeking behavior of first-year undergraduate students at Mzuzu University, Malawi", *Mousaion: South African Journal of Information Studies*, Vol 36, No. 1, pp. 1-18.

Malemia, L. (2014), "The Use of Electronic Journal Articles by Academics at Mzuzu University, Malawi", *Library Philosophy and Practice*, (e-journal). Paper 1097.

CONFERENCE PAPERS

Kapondera, M and **Malemia, L.** Information Seeking Behaviour among Pregnant Women at Mzuzu Urban Health Centre. Paper presented at the MALA-DIS 2nd Research Dissemination Conference Transforming Library and Information Services to realise the Malawi we want by 2063 held at Nkopola Lodge in Mangochi, Malawi, 23rd May 2024.

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Chaputula, A., Kanyundo, A. and **Malemia, L.** Technology-based library orientation and user education programme: strides made by Mzuzu University. Paper presented at the SCECSAL XXIV Inclusive Libraries and Information Services Towards Achieving Prosperity for Sustainable Development in Africa held in Windhoek, Namibia, 8th to 11th February 2021.

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STATISTICAL REPORT OF THE RESEARCH OUTPUT

Statistics show that Mzuzu University academics have collectively produced 1,041 research items that are captured in this Directory. The Faculty of Environmental Sciences is the most productive faculty with 511 research items published, with over half of them (342) being journal articles. Faculty of Humanities and Social Sciences came second with 391 research items whilst Faculty of Tourism, Hospitality and Management came last with only 67 research items produced.

Statistics further show that the Department of Fisheries and Aquatic Sciences is the most productive in terms of research with 185 research items produced. They were closely followed by Department of Forestry and Environmental Management with 136 research items. On the other hand, the Department of Physics and Electronics is the least productive department with only 9 research items produced.

FACULTY OF EDUCATION

Department of Education Foundations

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	6				6
2023					0
2022	1			1	2
2021	3				3
2020	1			1	2
2019	1			2	3
2018	2			1	3
2017	2	1		5	8
2016	10			1	11
2015	3			2	5
2014	4			2	6
2013 and earlier	3		4	3	3
TOTAL	36	1	4	18	52

Department of Teaching, Learning and Curriculum Studies

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024		1			1
2023				1	1
2022	1				1
2021	1			1	2
2020					0
2019		1			1
2018	1				1
2017		2		2	4
2016	8			1	9
2015	3	1			4
2014	4				4
2013 and earlier	8	1	1	8	18
Total	26	6	1	13	46

Summary - Faculty of Education

Department	Journal articles	Book chapters	Books	Conference papers	Total
Education Foundations	36	1	4	18	59
Teaching, Learning and Curriculum Studies	26	6	1	13	46
Total	62	7	5	31	105

Department of Agri-Sciences

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	4				4
2023	3				3
2022	1	1			2
2021	1			1	2
2020					0
2019					0
2018	2				2
2017	1			1	2
2016	3			1	4
2015	3	2			5
2014					0
2013 and earlier	1			1	2
TOTAL	19	3		4	26

Department of Built Environment

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	6				6
2023	4				4
2022	2				2
2021	2	1			3
2020	1				1
2019		1		1	2
2018	4			2	6
2017	5			1	6
2016	3				3
2015	1				1
2014	1	1			2
2013 and earlier	1			1	2
TOTAL	30	3		5	38

Department of Fisheries and Aquatic Sciences

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	12				12
2023	6				6
2022	11			1	12
2021	8			2	10
2020	4				4
2019	9			3	12
2018	18			10	28
2017	16			6	22
2016	21			3	24

Directory of Research and Publications

2015	10	1		8	19
2014	5	1		15	21
2013 and earlier	14			1	15
TOTAL	134	2		49	185

Department of Forestry and Environmental Management

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	7		1	1	9
2023	1	1			2
2022	8			2	10
2021	9				9
2020	11				11
2019	2				2
2018	6			2	8
2017	9			2	11
2016	15			1	16
2015	2				2
2014	4			1	5
2013 and earlier	26	3	3	19	51
TOTAL	100	4	4	28	136

Department of Geosciences

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024					
2023				1	1
2022					0
2021	1				1
2020					0
2019					0
2018					0
2017	2				2
2016	1				1
2015	1				1
2014	2		1		3
2013 and earlier	3		1		2
TOTAL	10		2	1	11

Department of Water Resources Management and Development

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	5			8	13
2023	6			4	10
2022	8	1		6	15

2021	2			5	7
2020	5				5
2019	4			3	7
2018	7			5	12
2017	3	1		2	6
2016	7			3	10
2015	1			10	11
2014				6	6
2013 and earlier	1			10	11
TOTAL	49	2		62	113

Summary - Faculty of Environmental Sciences

Department	Journal articles	Book chapters	Books	Conference papers	Total
Department of Agri-Sciences	19	3		4	26
Department of Built Environment	30	3		5	38
Department of Fisheries and Aquatic Sciences	134	2		49	185
Forestry and Environmental Management	100	4	4	28	136
Department of Geosciences	10		2	1	11
Water Resources Management and Development	49	2		62	113
Total	342	14	6	149	511

FACULTY OF HUMANITIES AND SOCIAL SCIENCES

Department of Communication Studies

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024		2	1		3
2023					0
2022					0
2021					0
2020					0
2019	1				1
2018	2				2
2017	1				1
2016					0
2015					0
2014					0
2014	1				1
2013 and earlier	2				2
Total	7	2	1		10

Department of Governance, Peace and Security Studies

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	0	0	0		0
2023		1		1	2
2022				1	1
2021					0
2020	1	1		1	3
2019	2	1		1	4
2018					0
2017				2	2
2016					0
2015	2			1	3
2014					0
2013 and earlier	4	1		2	7
Total	9	4		9	22

Department of History and Heritage Studies

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	6	2		6	14
2023	5		1	3	9
2022	4	2		8	14
2021	2				2
2020	4	3			7
2019	1			1	2

Directory of Research and Publications

2018	1			2	3
2017	3	1	1	1	6
2016	3	1	1	3	7
2015	3	1	1		5
2014		3		1	4
2013 and earlier	12	3		6	21
Total	44	16	3	31	94

Department of Information Science

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	5			5	10
2023	7				7
2022	4				4
2021		1		2	3
2020	4	1		1	6
2019	6			2	8
2018	8			4	12
2017	4	2		10	16
2016	5			11	16
2015	3			1	4
2014					
2013 and earlier	6	1	1		8
Total	52	5	1	36	94

Department of Language, Cultural and Creative Studies

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	2	9	2	1	14
2023	3	2		1	6
2022	5	4		5	14
2021	2			3	5
2020	6			1	7
2019	3			4	7
2018	3			3	6
2017	3			4	7
2016	3				3
2015	1			4	5
2014	6		1	1	8
2013 and earlier	2		1	4	7
Total	39	15	4	31	89

Department of Theology and Religious Studies

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	1	17	2	3	23

2023	2			2	4
2022		3		2	5
2021		3	1		4
2020	1				1
2019			3	1	4
2018				1	1
2017	1		2	2	5
2016	2		3	2	7
2015				3	3
2014	1			3	4
2013 and earlier	8	2	5	6	21
Total	16	25	16	25	82

Summary- Faculty of Humanities and Social Sciences

Department	Journal articles	Book chapters	Books	Conference papers	Total
Communication Studies	7	2	1		10
Governance, Peace and Security Studies	9	4		9	22
History and Heritage Studies	44	16	3	31	94
Information Science	52	5	1	36	94
Language, Cultural, and Creative Studies	39	15	4	31	89
Theology and Religious Studies	16	25	16	25	82
Total	167	67	25	132	391

FACULTY OF SCIENCE TECHNOLOGY AND INNOVATION

Department of Biological Sciences

Year	Journals	Book Chapters	Books	Conference	Total
2024	7	1		6	14
2023	3				3
2022	8				8
2021	8				8
2020	2				2
2019	3			2	5
2018	3			1	4
2017	3			1	4
2016				2	2
2015	1				1
2014	1		3	1	5
2013 and before	7	3			10
Total	46	4	3	13	66

Department of Chemistry

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	1				1
2023	10			1	11
2022	4			1	5
2021	3				3
2020	2				2
2019					
2018	6				6
2017	10	1		1	12
2016	4			1	5
2015	1			2	3
2014	5	1		1	7
2013 and before	18	1		6	25
Total	64	3		13	80

Department of Energy Systems

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	6	2		2	10
2023	1			1	2
2022	5	1			6
2021	6				6
2020	3				3
2019	3				3
2018	1				1

Directory of Research and Publications

2017	1				1
2016	2			2	4
2015		2		4	6
2014	3			2	5
2013 and before				8	8
Total	31	5		19	55

Department of Information and Communication Technology

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024				1	1
2023	2				2
2022	1			2	3
2021				1	1
2020	1				1
2019	2				2
2018	2				2
2017					0
2016				1	1
2015					0
2014					0
2013 and before					0
Total	8			5	13

Department of Mathematics and Statistics

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	1				1
2023					0
2022	4				4
2021	1				1
2020	3				3
2019	13			2	15
2018	13				13
2017	2		6		8
2016	2			1	3
2015					0
2014					0
2013 and before	3			7	10
Total	42		6	10	58

Department of Physics

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024					0
2023					0

2022					0
2021					0
2020					0
2019	1				1
2018					0
2017	2				2
2016	4				4
2015				1	1
2014	1				1
2013 and before					0
Total	8			1	9

Summary- Faculty of Science, Technology and Innovation

Department	Journal articles	Book Chapters	Books	Conference papers	Total
Biological Sciences	46	4	3	13	66
Chemistry	64	3	0	13	80
Energy Studies	31	5	0	19	55
Information and Communication Technology	8	0	0	5	13
Mathematics	42	0	6	10	58
Physics	8	0	0	1	9
Total	199	12	9	61	281

FACULTY OF HEALTH SCIENCES

Department of Biomedical Sciences

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024					0
2023					0
2022	3				3
2021	2				2
2020					0
2019					0
2018		1			1
2017	1				1
2016	2				2
2015	1				1
2014					0
2013 and before					0
Total	9	1	0		10

Department of Nursing and Midwifery

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	6				6
2023	7			2	9
2022	5			3	8
2021	11			1	12
2020	5				5
2019	4				4
2018	12				12
2017	9			3	12
2016	6			1	7
2015	3			1	4
2014	3			1	4
2013 and before	1			4	5
Total	72			16	88

Department of Optometry

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	2				2
2023	1				1
2022	3				3
2021	8			1	9
2020	1			1	2
2019	1				1
2018	1				1

Directory of Research and Publications

2017					0
2016					0
2015					0
2014					0
2023 and before	2			1	3
Total	19			3	22

Summary - Faculty of Health Sciences

Department	Journal articles	Book chapters	Books	Conference papers	Total
Biomedical Sciences	9	1			10
Nursing	72			16	88
Optometry	19			3	22
Total	100	1		19	120

FACULTY OF TOURISM, HOSPITALITY AND MANAGEMENT

Department of Tourism

Year	Journals artical	Book Chapters	Books	Conferences Papers	Total
2025		1			1
2024					0
2023				1	1
2022	4			1	5
2021	3	2			5
2020	3	3		4	10
2019	6	5		5	16
2018	4	1			5
2017	1	1		1	3
2016	1			1	2
2015					0
2014					0
2013 and before					
Total	22	13		13	48

Department of Hospitality management

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024					0
2023					0
2022	1				1
2021	2				2
2020	1				1
2019	4			3	7
2018	1			2	3
2017	2	1		2	5
2016					0
2015					0
2014					0
2013 and before					0
Total	11	1		7	19

Summary- Faculty of Tourism Hospitality and Management

Department	Journals	Book Chapters	Books	Conferences Papers	Total
Tourism	22	13		13	48
Hospitality management	11	1		7	19
Total	33	14		20	67

LIBRARY AND LEARNING RESOURCES CENTRE

Year	Journal articles	Book chapters	Books	Conference papers	Total
2024	4			3	7
2023	4				4
2022	2			1	3
2021	6			8	14
2020	1				1
2019	7			2	9
2018	8			8	16
2017	2			6	8
2016				4	4
2015	1				1
2014	4				4
2013 and earlier	4			2	6
Total	42			35	77

Summary – Library and Learning Resource Centre

Department	Journal articles	Book chapters	Books	Conference papers	Total
Library and Learning Resources Centre	42				77
Total	42			35	77

TOP RANKED FACULTIES BY RESEARCH OUTPUT

Ranking	Faculty	Number of research items
1.	Faculty of Environmental Sciences	511
2.	Faculty of Humanities and Social Sciences	391
3.	Faculty of Science, Technology and Innovation	281
4.	Faculty of Health Sciences	120
5.	Faculty of Education	105
6.	Library and Learning Resource Centre	77
7.	Faculty of Tourism Hospitality and Management	67

TOP RANKED RESEARCHERS BY RESEARCH OUTPUT

Ranking	Name of researcher	Total number of research items (journal articles, books, book chapters and conference papers) *
1.	Prof. Fanuel Kapute	82
2.	Dr Russel Chidya	80
3.	Prof. Wales Singini	57
4.	Prof. Bryson Nkhoma	42
5.	Dr Winner Chawinga	35

* Count is based on the items included in this publication

About the editor



Aubrey Chaputula (PhD) obtained his Master of Library and Information Studies (MLIS) degree from the University of Botswana in 2009, and PhD (Information Studies) from the University of KwaZulu Natal, South Africa, in 2017. He has attained the rank of Associate Professor, and is currently working as University Librarian at Mzuzu University. He has also worked as an Adjunct member of staff in the Department of Information Science at Mzuzu University. Dr Chaputula has served as reviewer for several journals under the Emerald and Sage Publications such as Electronic Library, Library Review, Library High Tech and Information Development. He also serves as postgraduate external examiner for the University of Cape Town and University of KwaZulu Natal. His research interests are in the fields of ICT applications in libraries, ICT4D, collection development and management, use of social media and mobile applications in libraries, and disability and inclusiveness in libraries.

