



MZUZU UNIVERSITY

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Volume 3

Issue 1

Directory of Research and Publications



editor

Aubrey Harvey Chaputula

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Hamis Abdullah

Gift Mbwere

MZUZU UNIVERSITY



DIRECTORY OF RESEARCH AND PUBLICATIONS

VOLUME 3

Editor

Aubrey Harvey Chaputula

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DEDICATION

To all Mzuzu University dedicated and tireless researchers

INTRODUCTION

Mzuzu University was established by an Act of Parliament in 1997 as Malawi's second public university. However, the University only became fully operational in January 1999 when it admitted its first students. Education was the pioneering faculty at the opening of the University. Since its first intake in 1999, the University has steadily grown from a single Faculty of Education to six faculties (Education; Environmental Sciences; Health Sciences; Tourism, Hospitality and Management; Humanities and Social Sciences; and Science, Technology and Innovation) and six centres (Centre for Open, Distance and eLearning; Testing Centre for Renewable Energy Technologies (TCRET); Water and Sanitation (WATSAN); and Centre for Environmental Management).

This publication 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 equally been included.

The idea to come up with this publication was mooted after realising that there are a lot of research, consultancy and publication activities being undertaken by Mzuzu University academic members of staff within and without the University. 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. It has also been realised that most of the times, both governmental and non-governmental organisations tend to go outside the country whenever they want to procure the services of experts in various fields. This could be attributed to the fact that they may not be aware that the country, or Mzuzu University in particular, may have such type of experts. This publication is, therefore, aimed at solving some of the aforementioned challenges. It is anticipated that academic departments and centres would use this publication to showcase the various expertise and skills available not only within their respective departments and centres but the entire University. The University may use this publication to market itself, a development that may lead to increased cash flow through initiation of more collaborative projects with other organisations, and greater visibility leading to higher rankings.

The profiles included in this publication include academic credentials of the staff members concerned. In certain instances, professional certificates and ORCID IDs are also included. The ORCID IDs could be used to get more up to date academic staff profiles as this publication will only come out once in a year. The publication records include titles of PhD theses, titles of master's dissertations, books and book chapter publications, journal article publications, conference proceedings and papers.

FOREWORD



Welcome to Volume 3 of the Directory of Research and Publications of Mzuzu University. This Directory is published annually with the aim of capturing and disseminating research and publication activities undertaken by Mzuzu University academic staff. Volume 1 captured publications for the years preceding 2018 whereas volume 2 covered publications from 2017 – 2019. However, the publication was not published in the years 2020 and 2021 due to logistical challenges. Volume 3, therefore, makes a comeback after the two-year break. To ensure the publication is comprehensive, it covers publications covering all the years. It is for this reason that the current publication is bigger than the previous publications.

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. Research is a prerequisite for the success and credibility of any academic institution around the globe. This is even more so for Mzuzu University whose mandate is primarily to produce new knowledge and impart new skills to its student population while also influencing national and international policies. In line with this trajectory, it is irrefutable that the Mzuzu University community, particularly academics and those who occupy management positions should be constantly engaged in research.

The Malawi government aims at strengthening capacity in research for evidence-based policy making as outlined in several development agendas and policies. Research is important in supporting evidence-based decision-making at all levels of the system. Mzuzu University is, therefore, committed to strengthen its capacity to carry out policy relevant research, to enforce adherence to research framework and agenda, and to strengthening mechanisms for approving and monitoring of research. This Directory presents some of the works produced by members of staff. It is hoped that this Directory, along with future directories, provide adequate and useful information to our stakeholders on existing skills and expertise available at Mzuzu University.

Professor Wales Singini, PhD
DIRECTOR OF RESEARCH

ACKNOWLEDGEMENT

The Editorial Team would like to thank the Mzuzu University Directorate of Research that continues to offer administrative, logistical, financial and moral support to sustain this publication now in its third edition. We are, therefore, grateful to Professor Wales Singini, Director of Research, and all support staff in the Directorate of Research for the support rendered.

During the compilation and editing of this Directory, the Editorial Team received support from various heads of academic departments and deans of faculty. Specifically, we are indebted to Dr Nephtale Mumba (Head, Department of Mathematics and Statistics), Dr Lydia Kishindo-Mafuta (Former Deputy Dean, Faculty of Education and current Dean), Dr. Wellman Kondowe, (Former Head, Department of Languages, Cultural and Creative Studies) for the tremendous role they played in the publication of this Directory. Special thanks should go to Mr. Leo Chorwe, Reprographic Assistant in the Library and Learning Resources Centre, for working tirelessly in designing and typesetting of this Directory.

The Editorial Team is also grateful to all fellow academics who continue to support this publication by contributing material for inclusion in this Directory on a yearly basis. It is our hope that this trend will continue. We know that some academics failed to contribute their entries because of reasons ranging from communication breakdown, busy schedules, and being away on study leave. It is our hope that all those who have been skipped will have their entries included in the next issue.

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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 EDUCATIONAL FOUNDATIONS

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.

VISION

To be a department of excellence in teacher education, research and outreach.

MISSION

To provide quality teacher training, education research, community outreach, governance and management to meet the social as well as economic needs of individuals and communities in Malawi and beyond.

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 id: <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 Life Skills Education in Primary Schools in Zomba District.

JOURNAL PUBLICATIONS

Chirwa, G., Naidoo, D. and Myrie, D. N. (2023), "Teacher educators' understanding and experiences with implementing the initial primary teacher education policy in Malawi", *International Journal of Whole Schooling*, Vol. 19. No.1, pp. 27-48.

Chirwa, G., Banda, E. and Mwakapenda, W. (2022), "Challenges facing the implementation of the new secondary school curriculum in Malawi", *Africa Focus Journal*, Vol. 35, pp.343-374.

Lingolwe, F. and Chirwa, G. (2021), "An investigation of stakeholder factors affecting the implementation of inclusive education in Malawi primary schools: A case study of four primary schools in Zomba district", *Journal of Interdisciplinary Sciences*, Vol. 5 No. 2, pp. 23-47.

Lingolwe, F. and Chirwa, G. (2021), "An investigation of school-based factors affecting the implementation of inclusive education in Malawi primary schools: A case study of four primary schools in Zomba District", *Research and Reviews: Journal of Educational Studies*, Vol. 7 No. 2, pp.1-13.

Kaambankadzanja, D. and Chirwa, G. (2018), "Quality education in the 21st Century: The role of critical thinking pedagogies initiative in improving the quality of education in Malawi", *International Journal of Engineering Science and Management*, Vol.1 No. 1, pp.1-11.

Chirwa, G. W. and Naidoo, D. (2016), "Teachers' perceptions of the quality of the new Expressive Arts textbooks for Malawi primary schools", *South African Journal of Childhood Education*, Vol. 6 No. 1, pp. 1-10.

Chirwa, G. and Naidoo, D. (2016), "Productive pedagogies of Expressive Arts lessons in Malawi", *Journal of Education*, Vol. 64, pp.163-204.

Chirwa, G and Naidoo, D. (2014), “Structural and social constraints in the teaching of Life skills for HIV/AIDS prevention in Malawi primary schools”, *South African Journal of Childhood Education*, Vol. 4 No. 1, pp. 62-67.

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.

Chirwa, G. and Naidoo, D. (2015), “Continuous Assessment in Expressive Arts lessons in Malawi”, *The Independent Journal of Teaching and Learning*, Vol. 10 No. 1, pp. 127-140.

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.

Chirwa, G. and Naidoo, D. (2014), “An Exploration of the Pedagogic practices of Expressive Arts teachers in Malawi primary schools”, *Mediterranean Journal of Social Sciences*, Vol.5 No.16, pp. 261-272.

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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 to 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. SADC conference on Curriculum and Assessment in the 21st Century, Sun and Sand Hotel, September, 2004.

MARISEN MWALE, PhD; MEd; B Ed

ORCID id: <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.

Zulu, M., Kamanga, C.M.M. and **Mwale, M.** (2009) *Poems from the heart*, Blantyre: Malawi Writers Union.

JOURNAL PUBLICATIONS

Mwale, M. and Muula, A. S. (2021), “Stakeholder acceptability of the risk reduction behavioural model [RRBM] as an alternative model for adolescent HIV risk reduction and sexual behavior change in Northern Malawi”, Plos one, Vol. 16 No. 10, e0258527.

Mwale, M. . and Muula, A.S. (2020), “The impact of Behaviour Change Interventions [BCI] on adolescent HIV risk reduction in selected schools in Northern Malawi”, *Afrika Focus*, Vol. 33 No. 2, pp. 95-115.

Mwale, M. and Muula, A.S. (2019), “The efficacy of peer education in sexual behavioral change among school-going adolescents in Northern Malawi: A quasi experiment”, *Journal of HIV/AIDS & Social Services*, Vol. 18 No. 3, pp. 229-247. DOI: 10.1080/15381501.2019.1620664

Mwale, M. and Muula, A.S. (2018), “Effects of adolescent exposure to behavior change interventions on their HIV risk reduction in Northern Malawi: a situation analysis”, *SAHARAJ: Journal of Social Aspects of HIV/AIDS*, Vol. 15 No. 1, pp. 146-154, DOI: 10.1080/17290376.2018.1529612

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Likupe, G. and **Mwale, M.** (2016), “The study of attributions of low achievers and high achievers about the perceived causes of their success and failure: the case of adolescent students in secondary schools- Malawi”, *Journal of Child and Adolescent Behaviour*, Vol. 4 No. 5, pp. 1-4.

Kanchiputu, P. and **Mwale, M.** (2016), “Effects of domestic violence on children’s education: The case study of Mpemba in Blantyre District [Malawi]”, *Journal of Psychological Abnormalities*, Vol. 5 No. 2, p. 2.

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Mwale, M. (2014), “Condom use in relation to the HIV/AIDS pandemic among adolescents: the case of some selected schools in Zomba -Malawi”, *Educational Research*, Vol. 5 No. 7, pp. 251-256.

Mwale, M. (2009), “Behavioural change vis-a-vis HIV/AIDS knowledge mismatch among adolescents: The case of some selected schools in Zomba”, *South African Journal of Psychology*, Vol. 39 No. 4, pp. 460-467.

Mwale, M. (2008), “Adolescent risk-perception, cognition and self-assessment in relation to the HIV/ AIDS pandemic: The case of some selected schools in Zomba”, *Psychology and Developing Societies*, Vol. 20 No. 2, pp. 229-240.

Mwale, M. (2008), “Behavioural change vis-a-vis HIV/AIDS knowledge mismatch among adolescents: The case of some selected schools in Zomba”, *Nordic Journal of African studies*, Vol. 17 No. 4, pp. 288 -299.

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Mwale, M., Jumbe, V., Phillip, E., Conroy, R. and Stanistreet, D. Community perspectives on barriers and enablers to HAAP: Situating practices in context. Paper presented at the KUHeS Research Dissemination Conference, 24th to 25th November, 2022.

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 to 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 to 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 to 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 to 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 to 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.

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.

VISION

A premier provider of teacher education, training, research, innovation and outreach in Malawi and beyond.

MISSION

To offer quality training for pre-service and in-service teachers across all educational levels; educational research and complementary services in Malawi and beyond.

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 id: <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 MASTER'S 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 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. 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 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.

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

ORCID id: <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.

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.

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.Y.** (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.

VISION

To be a leading centre in the provision of quality knowledge and skills in agricultural transformation and sustainable development

MISSION

To produce competent graduates in agricultural value chains and sustainable community development through quality education, undertake cutting edge research, disseminate knowledge and research outputs and provide extension services to facilitate and promote sustainable and equitable rural development.

FRANK MNTHAMBALA, PhD; MSc; BSc

ORCID id: <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

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 to 4 March, 2016.

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.

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

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.

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.

Mzuza, 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 on 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

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.

LUCKY KABANGA, PhD; MSc; BSc

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

RESEARCH INTERESTS

- Land tenure and rights
- 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. *Spatial Analysis of Potable Water Supply Using a GIS Approach in Ndirande Informal Settlement – Blantyre (Malawi) (University of Twente).*
2. *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. (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.

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.

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. (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. 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.

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.

AMOS KALUA, PhD; MSc; BSc

ORCID id: <https://orcid.org/0000-0001-5040-0553>

RESEARCH INTERESTS

- Building practices in developing countries
- Building advocacy

JOURNAL PUBLICATIONS

Kalua, A., Jeong Jo, S., Fateminasab, S., Al-Rqaibat, S. and Opitz, C. (2019), “Impact of ventilation method on residential indoor PM dispersion during dust storm events in Saudi Arabia”, *Journal of Architectural Engineering and Design Management*, Vol. 16 No. 3, pp. 191-208.

Kalua, A. (2016), “Envelope thermal design optimization for urban residential buildings in Malawi”, *Buildings*, Vol. 6 No. 13, pp. 1-32.

Kalua, A. (2015), “Economic sustainability of green building practices in least developed countries”, *Journal of Civil Engineering and Construction Technology*, Vol. 6 No. 5, pp. 71-79.

CONFERENCE PAPERS

Kalua, A., Zhan, C. and Chang, C. A review of green building advocacy for least developed countries. Paper presented at the CIB W107 International conference held in Lagos, Nigeria, 28 to 30 January, 2014.

Kalua, A. Adaptation of building roof pitches for sustainability in urban poor communities in Malawi: The case of Mzuzu City. Paper presented at the National Symposium on Climate Change & the Environment held in Lilongwe, Malawi in October, 2011.

JAPHET KHENDLO, MSc; BSc**RESEARCH INTERESTS**

- Application of Geographical information system (GIS) in Spatial modelling
- Use of Remote sensing and GIS in climate change modelling and analysis
- Land and Engineering Surveying
- Earth observations
- Application of GIS in Crime analysis, environmental and natural resource 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., 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, 2022.

LOUDON LUKA, MA; PgD; B. Ed

ORCID id: <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.

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

ORCID id: <https://orcid.org/0000-0003-3074-0707>

RESEARCH INTERESTS

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

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

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.

ORCID 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.

FELIX TEMBO, MSc; BSc**RESEARCH INTERESTS**

- Climate Change
- Land Surveying

TITLE OF MASTER'S DISSERTATION

The Impact of Climate Change and Adaptation Among Teff Farmers in Ethiopia: Evidence from Farm Households in South Tigray

JOURNAL PUBLICATIONS

Tembo F., Tewodros, T. and Singini, W. (2018), “Perceptions and choices of adaptation measures for climate change among teff farmers of Southeast Tigray, Ethiopia”, *Journal of Agricultural Extension and Rural Development*, Vol. 10 No. 1, pp. 11 - 19.

Tembo, F. (2018), “The impact of climate change on teff production in Southeast Tigray, Ethiopia”, *Journal of Agricultural Economics and Rural Development*, Vol. 4 No. 1, pp. 389 - 396.

DEPARTMENT OF FISHERIES AND AQUATIC SCIENCES

HISTORICAL BACKGROUND

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.

VISION

To provide world-class tertiary education, research, and outreach in fisheries and aquatic science for the socio-economic development of Malawi and the World.

MISSION

To strengthen fisheries sector by concentrating on capture fisheries in lakes, rivers and marine environments 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 id: 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.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.

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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.

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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.

Chirwa, E. R., Kassam, D. Mtethiwa, A., Jere, W. L. 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.

Chirwa, E.R., Kassam,D., Mtethiwa, A., Jere, W. L. 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.

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FANUEL KAPUTE, PhD; MSc; BSc; Dip.

ORCID id: <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 Nyasalapia 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

Samala, L. and **Kapute, F.** (2019), "Assessment of fish exports from Blantyre District, southern Malawi", *LIMNOFISH: Journal of Limnology and Freshwater Fisheries Research*, Vol. 5 No. 1, pp. 70-75.

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Kapute, F. (2018), "The role of the Liwonde National Park in conserving fish species diversity in the upper Shire River, Malawi", *Aquatic Ecosystem Health & Management*, Vol. 21 No. 2, pp. 132-138.

Makawa, Z., Kaunda, E. and **Kapute, F.** (2019), "Wood utilization efficiency and acceptability of fried and smoked fish from Lake Malawi", *African Journal of Food, Agriculture, Nutrition and Development*, Vol. 19 No. 2, pp. 14432-14457.

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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.

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Mzengereza, K., Singini, W., Msiska, O.V., **Kapute, F.**, Kang’ombe, J. and Kamangira, A. (2016), “Apparent nutrient digestibility of plant-based diets by *Tilapia rendalli* (Boulenger, 1896)”, *Journal of Aquaculture Research and Development*, Vol. 7 1, pp. 396.

Kapute, F. (2016), Sensory, microbiological, biochemical and physico-chemical assessment of freshness and quality of fresh Lake Malawi Tilapia (*Chambo*) stored in icell, *International Journal of Aquaculture*, Vol. 6 No. 19, pp. 1-10.

Kapute, F., Likongwe, J., Valeta, J., Kang’ombe, J., Nagoli, J., Mbamba, D. and Sikawa, D. (2016), “Growth performance of three tilapia fish species raised at varied pond sizes and water depths”, *International Journal of Fisheries and Aquaculture*, Vol. 8 No. 8, pp. 81-86.

Joram, A. and **Kapute, F.** (2016), “Sensory evaluation of wild-captured and pond-raised tilapias in Malawi”, *African Journal of Food Science*, Vol. 10 No. 10, pp. 238-242.

Longwe, P. and **Kapute, F.** (2016), “Nutritional composition of smoked and sun-dried pond raised *Oreochromis karongae* (Trewavas, 1941) and *Tilapia rendalli* (Boulenger, 1896)”, *American Journal of Food and Nutrition*, Vol. 4 No. 6, pp. 157-160.

Goliat, C., **Kapute, F.** and Valeta, J. (2016), “Effect of prolonged storage in ice on nutrient composition and quality of whole fresh pond raised Tilapia fish (*Oreochromis shiranus*)”, *American Journal of Food and Nutrition*, Vol. 4 No. 5, pp. 127-130.

Makwinja, R. and **Kapute, F.** (2016), “Sensory quality analysis of Tilapia rendalli (Boulenger, 1896) fed on varied dietary protein levels”, *Discourse Journal of Agriculture and Food Sciences*, Vol. 4 No. 1, pp. 1-7.

Msusa N.C.J., **Kapute F.**, Likongwe J.S., Sikawa D.C., and Mtethiwa A.H. (2016), “Effect of sundrying, smoking and salting on proximate composition of fresh fillets of Mcheni (*Rhamphochromis* species - pisces: cichlidae) from Lake Malawi, Malawi”, *International Journal of Aquaculture*, Vol. 6 No. 18, pp. 1-5.

Makwinja, R., **Kapute, F.**, Singini, W. and Zidana, H. (2015), “Effect of dietary protein levels on ammonia concentration and growth of Tilapia rendalli (Boulenger, 1896), raised in concrete tanks”, *International Journal of Fisheries and Aquaculture*, Vol. 7, pp. 178-184.

Makwinja, R. and **Kapute, F.** (2015), “Bio-economic evaluation of tank raised Tilapia rendalli (Boulenger, 1896) fed on varying dietary protein levels”, *Net Journal of Agricultural Science*, Vol. 3 No. 3, pp. 62-67.

Makwinja, R., **Kapute, F.**, Singini, W. and Zidana, H. (2015), “Effects of varying dietary protein levels on development of gonads and nutrient reserves of tank raised Tilapia rendalli (Boulenger, 1896)”, *Journal of Basic and Applied Research International*, Vol. 10 No. 2, pp. 2395-3446.

Mzuza, M.K., Chapola, L., **Kapute, F.**, Chikopa, I. and Gondwe, J. (2015), “Analysis of the impact of aquatic weeds in the Shire River on generation of electricity in Malawi: A case of Nkula Falls Hydro-Electric Power Station in Mwanza District, Southern Malawi”, *International Journal of Geosciences*, Vol. 6, pp. 636-643.

Zidana H., Phiri, F., **Kapute, F.**, Ajiboye, O. and Singini, W. (2015), “Effect of stocking density and rearing facility on growth and profitability of Tilapia rendalli fry”, *International Journal of Aquaculture*, Vol. 5 No. 22, pp. 1-5.

Mzuza, M.K., Yudong, Y. and Kapute, F. (2014), “Analysis of factors causing poor passing rates and high dropout rates among primary school girls in Malawi”, *World Journal of Education*, Vol. 4 No. 1, pp. 48-61.

Mzengereza, K., Msiska, O.V., **Kapute, F.**, Kang'ombe, J., Singini, W. and Kamangira, A. (2014), “Nutritional value of locally available plants with potential for diets of Tilapia rendalli in pond aquaculture in Nkhata Bay, Malawi”, *Journal of Aquatic Research & Development*, Vol. 5 No. 6, pp. 1-6.

Makawa, Z., **Kapute, F.** and Valeta, J. (2014), “Effect of delayed processing on nutrient composition, pH and organoleptic quality of pond raised Tilapia (*Oreochromis shiranus*) stored at ambient temperature”, *African Journal of Food, Agriculture, Nutrition and Development*, Vol. 14 No. 3, pp. 8872-8884.

Makwinja, R., **Kapute, F.** and Kang'ombe, J. (2013), “Effect of different dietary protein levels on growth, carcass composition and shelf life of Tilapia rendalli (Boulenger, 1896)”, *Malawi Journal of Aquaculture and Fisheries*, Vol. 2 No. 1, pp. 32-35.

Nagoli, J., Valeta, J. and **Kapute, F.** (2013), “Analysis of bio-resource utilization in integrated agriculture-aquaculture farming systems in Zomba District, Southern Malawi”, *Malawi Journal of Aquaculture and Fisheries*, Vol. 2 No. 1, pp. 15-19.

Haambiya, L., Matiya, G., Msukwa, A., **Kapute, F.** and Sikawa, D. (2013), “Factors that influence effectiveness of local organizations in promoting community participation in artisanal fisheries management in Malawi: A case of Mbenji Island Fishery”, *Malawi Journal of Aquaculture and Fisheries*, Vol. 2 No. 1, pp. 1-7.

Kapute, F., Likongwe, J., Kang'ombe, J. and Kiiyukia, C. (2013), “Shelf life of whole fresh Lake Malawi Tilapia (*Oreochromis* species – chambo) stored in ice”, *African Journal of Food, Agriculture, Nutrition and Development*, Vol. 13 No. 1, pp. 7138-7156.

Kapute, F., Likongwe, J., Kang'ombe, J., Kiiyukia, C. and Mpeketula, P. (2012), “Quality assessment of fresh Lake Malawi Tilapia (*Chambo*) collected from selected local and supermarkets in Malawi”, *Internet Journal of Food Safety*, Vol. 14, pp. 112-120.

Msekiwa, M. and **Kapute, F.** (2011), “Effect of organic and inorganic fertilizers on the growth of juvenile *Oreochromis shiranus*”, *Malawi Journal of Aquaculture and Fisheries*, Vol. 1 No. 2, pp. 16-20.

Kubiriza, G.K., Madsen, H., Likongwe, J.S., Stauffer Jr. J.R., Kang'ombe, J. and **Kapute, F.** (2010), “Effect of temperature on growth, survival and reproduction of *Bulinus nyassanus* (Smith, 1877) (Mollusca: Gastropoda) from Lake Malawi”, *African Zoology*, Vol. 45 No. 2, pp. 315-320.

Kapute, F., Kaunda, E.K., Banda, M. and Morioka, S. (2008), “Maturity, age and growth of *Oreochromis karongae* (Teleostei: Cichlidae) in lakes Malawi and Malombe, Malawi”, *African Journal of Aquatic Science*, Vol. 33 No. 1, pp. 69 - 76.

CONFERENCE PAPERS

Kapute, F. Issues of safety and cross border fish trade in Malawi. Paper presented at the World Seafood Congress (WSC) 2015, Up-skilling for a Sustainable Future held in Grimsby, United Kingdom, 5 to 9 September, 2015.

Kapute, F., Likongwe, J.S., Kang'ombe, J., Mfitilodze, B. and Kiiyukia, C. Shelf life of whole Lake Malawi Tilapia (Chambo) stored in ice. Paper presented at the Biennial Meeting of the Regional Universities Forum for Capacity Building in Agriculture (RUFORUM) held at the Imperial Beach Hotel, Entebbe, Uganda, 24 to 28 September, 2012.

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Kapute, F., Kaunda, E., Banda, M. and Sinshuke, M. Maturity, age and growth of *Oreochromis karongae* (Teleostei: Cichlidae) in lakes Malawi and Malombe, Malawi. Paper presented at the

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Kapute, F. Introduction of new fish species for improved aquaculture production in Malawi: policy implications for fish biodiversity preservation and management. Paper presented at the seventeenth Biennial Conference of the International Institute of Fisheries Economics and Trade, held in Brisbane, Australia, 7 to 11 July, 2014.

Kapute, F. The role of the Liwonde National Park in conserving fish species diversity in the Upper Shire River, 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.

Kapute, F. Fish kills in Lake 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.

Kapute, F. and Valeta, J. Status of fish farming in Chingale, Zomba district of southern Malawi. Paper presented at the Agricultural Research and Development (ARDEP) Conference held at Bunda College of Agriculture, Lilongwe, Malawi on 2 November, 2012.

Kapute, F., Nagoli, J. and Valeta, J. Bio-resource utilization among fish farmers in Chingale, Zomba District of southern Malawi. Paper presented at the Agricultural Research and Development (ARDEP) Conference held at Bunda College of Agriculture, Lilongwe, Malawi, 31 December, 2009.

Kapute, F. The re-birth of traditional fisheries management. A case story of the Mbenji Island Community Based Natural Resource Management (CBNRM) on Lake Malawi (MALAWI). Paper presented at the Environment and Sustainability Leadership Workshop held at Howick, Kwazulu Natal, South Africa, 7 to 9 November, 2012.

Kapute, F. and Sikawa D. One-stop information shop for aquaculture and fisheries in Malawi. Paper presented at AFRIAMSLIC Conference held at Riverside Hotel, Lilongwe, Malawi, 10 to 13 September, 2007.

Kapute, F., Valeta, J., Nagoli, J., Likongwe, J., Kang'ombe J., Sikawa, D., Mbamba, D. and Mzanga K. Effect of pond size and water depth on performance of Tilapia in Chingale: The quest for small-scale commercial aquaculture design. Paper presented at the Agricultural Research and Development (ARDEP) Annual Dissemination Seminar held at Capital Hotel, Lilongwe, Malawi, 25 to 27 May, 2011.

Makawa, Z., **Kapute, F.** and Valeta, J. Effect of delayed processing on carcass nutrient composition, pH level and organoleptic taste of *Oreochromis shiranus* (cichlidae). Fisheries and Aquaculture Workshop, Sun 'n' Sand Holiday Resort, Mangochi, Malawi in 2013.

Kang'ombe, J., **Kapute, F.** and Ntenjera, G. Nutrient analysis of locally available plant-based feed ingredients used by Chingale fish farmers and their potential for fish feed development. Paper presented at the Agricultural Research and Development (ARDEP) Annual Dissemination Seminar held at Capital Hotel, Lilongwe, Malawi, 25 to 27 May, 2011.

Mwadzaangati, G.N., Jere, R.I., **Kapute, F.**, Singini, W., Chirwa, E., Mzengereza, K. and Valeta, J. Factors influencing practice of floating island (chimbowera) fishery on Lake Chilwa, Malawi. Paper presented at the Great Lakes of the World (GLOW 8) Conference held at Sun n Sand Hotel, Mangochi, Malawi, 24 to 27 March, 2015.

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Singini, W., Msiska, O.V., **Kapute, F.**, Kasulo, V., Kang'ombe, J., Wilson Jere, W., Nyasulu, T., Mzengereza, K. and Kamangira, A. Development of quality and affordable fish feed for small scale fish farmers in Malawi. Paper presented at the Fourth RUFORUM Biennial Regional Conference held in Maputo, Mozambique, 21 to 25 July, 2014.

Kamangira, A., Singini, W., Kasulo, V., Jere, W.L. and **Kapute, F.** Profitability and consumer preference of pond raised fish among fish farmers and consumers in northern Malawi. Paper presented at the Fourth RUFORUM Biennial Regional Conference held in Maputo, Mozambique, 21 to 25 July, 2014.

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Ndivaye, E., Kang'ombe, J., Nakhumwa, T., **Kapute F.** and Maguza Tembo F. Growth performance and economic returns of juvenile *Tilapia rendalli* raised in pond cages under different stocking densities: Bunda College Fish Farm, Malawi. Paper presented at the bi-annual meetings of the Regional Universities Forum for Capacity Building in Agriculture held in Mangochi, Malawi, 23 to 27 April, 2007.

BENJAMIN KONDOWE, PhD; MSc; BSc (Hons)

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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)

JOURNAL PUBLICATION

Kondowe, B.N., Masese, F.O., Raburu, P.O., Singini, W. and Walumona, R.J. (2022), "Water quality and ecology of Lake Kanyaboli, Kenya: Current status and historical changes", *Lakes & Reservoirs: Research & Management*, Vol. 27 No. 1, e12401.

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Mang’ani, L., **Kondowe, B.N.**, Shitote, Z., Achieng, A. and Walumona, R. Artisanal fishers’ perception, awareness, and coping strategies to climate variability in Senga-bay Lake Malawi. Paper presented at the 6th International Interdisciplinary Conference (IIC6 2019), University of Eldoret, Kenya.

KUMBUKANI MZENGEREZA, PhD; MSc; BSc.ORCID id: <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 Oil Seed 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.

JOURNAL PUBLICATIONS

Mzengereza, K., Ishikawa, M., Koshio, S., Shadrack, R.S., Zhang, Y., Dossou, S., Kotani, T., Shahin, S.A., Zaineldin, A.I., Waqalevu, V., Dawood, M.A.O., Hassan, A.M., Al-Sharif, M.M. and El Basuini, M.F. (2022), "Responses of growth, blood health, pro-inflammatory cytokines genes, intestine and liver histology in Red Seabream (Pagrus major) to Camelina Meal", *Aquaculture Reports*, Vol. 24, 101175.<https://doi.org/10.1016/j.aqrep.2022.101175>.

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pond aquaculture in Nkhata Bay, Malawi”, *Journal of Aquaculture Research & Development*, Vol. 5 No. 6, pp. 1-6.

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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.

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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.

Singini, W., Kaunda, E., Kasulo, V., and Jere, W. (2017), “Factors influencing intertemporal preference of fisheries resource users of Lake Malombe in Malawi”, *Malawi Journal of Agriculture, Natural Resources and Development Studies* (MAJANDS), 2017, pp 75-80.

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Singini, W., Tembo, M. and Banda, C. (2015), “Forecasting climate change pattern for Bolero Agriculture Extension Planning Area in Malawi”, *Journal of Climatology & Weather Forecasting*, Vol 3 No. 145, pp. 1-5.

Mzengereza, K., Msiska, O.V., Kapute, F., Kang’ombe, J., **Singini, W.** and Kamangira, A. (2014), “Nutritional value of locally available plants with potential for diets of *Tilapia rendalli* in pond aquaculture in Nkhata Bay, Malawi”, *Journal of Aquaculture Research & Development*, Vol. 5 No. 6, pp. 1-6.

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Singini, W., Kaunda, E., Kasulo, V. and Jere, W. (2013), “Wealth based fisheries management of *Oreochromis* species (Chambo) of Lake Malombe in Malawi”, *International Journal of Fisheries and Aquaculture*, Vol. 5 No. 11, pp 270-277.

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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.

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Holm R., Gwayi, S., **Singini, W.**, Wanda, E., and Kasulo, V. Looking ahead for sanitation initiatives: Community Led Total Sanitation versus Sanitation Marketing in Malawi. Paper

presented at the National Water Conference, Water and Sustainable Development organised by Water Services Association of Malawi (WASAMA) held at the Grand Palace Hotel, Mzuzu, 20 to 21 March, 2015.

Holm, R., Brian, A., **Singini, W.**, Phiri, A., Gwayi, S. and Zimba, C. What does standard CLTS look like? Rumphi District, Malawi. Paper presented at the 16th Waternet/WARFSA/GWP-SA Symposium held at the University of Mauritius, 28 to 30 October, 2015.

Mwadzaangati, G.N., Jere, R.I., Kapute, F., **Singini, W.**, Chirwa, E., Mzengereza, K. and Valeta, J. Factors influencing practice of floating island (Chimbowera) fishery on Lake Chilwa, 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.

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.

Kamangira, A., **Singini, W.**, Kasulo, V., Jere, W.L. and Kapute, F. Profitability and consumer preference of pond raised fish among fish farmers and consumers in northern Malawi. Paper presented at the Fourth RUFORUM Biennial Conference held at the Eduardo Mondlane University, Maputo, Mozambique, 21 to 25 July, 2014.

Mzengereza K. **Singini W.**, Msiska O.V., Kapute F., Kang'ombe J. and Kamangira A. Apparent nutrient digestibility of plant-based diets by *Tilapia rendalli* (Boulenger, 1896) (2014). Paper presented at the 8th Great Lakes of the World (GLOW) International Conference: Advancing the Ecosystem Health Approach: Good Governance for Adaptation and Rehabilitation held at the Sun 'N' Sand Holiday Resort, Mangochi, Malawi, 24 to 26 March, 2014.

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.

Makwinja. R., Kapute. F., Kang'ombe, J. and **Singini, W.** Bio-economic evaluation of tank raised *Tilapia rendalli* (Boulenger, 1896) fed on varying dietary protein levels. Paper presented at the 8th All Africa Conference on Animal Agriculture held in Nairobi, Kenya, 17 to 20 July, 2014.

Sawasawa, W., **Singini, W.**, Kapute, F. and Mzengereza, K. Role of women in fish processing along Lake Malawi fishery. Paper presented at the 8th Great Lakes of the World (GLOW) International Conference: Advancing the Ecosystem Health Approach: Good Governance for Adaptation and Rehabilitation Conference held at the Sun 'N' Sand Holiday Resort, Mangochi, Malawi, 24 to 26 March, 2014.

Singini, W., Msiska, O.V., Kapute, F., Kasulo, V., Kang'ombe, J., Jere, W., Nyasulu, T., Mzengereza, K. and Kamangira, A. Development of quality and affordable fish feed for small

scale fish farmers in Malawi. Paper presented at the Fourth RUFORUM Biennial Conference held at the Eduardo Mondlane University, Maputo, Mozambique, 21 to 25 July, 2014.

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

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.**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., **Kamangadazi F.** (2021). Direct measurement of forest degradation rates in Malawi: toward a national forest monitoring system to support REDD+. www.mdpi.com/journal/forests

Kamangadazi, F. 2019. Analysis of tree community composition, diversity and natural regeneration in Miombo woodlands of Malawi. Research Paper Submitted to the faculty of Agriculture and Natural Resources in partial fulfilment of the requirement for a Master of Science Degree in Forestry at Michigan State University. <https://d.lib.msu.edu/etd/47980/datastream/OBJ/View/>

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*, 4(2), pp. 0047-0054.

Kamangadazi, F. Mwabumba, L. Missanjo, E. 2016. The Potential of Selective Harvesting in Mitigating Biomass and Carbon Loss in Forest Co-Management Block in Liwonde Forest Reserve, Malawi. *Scholars Academic Journal of Biosciences (SAJB)*, 4(9):716-721.

VICTOR KASULO, PhD; MA; BSoc

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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.

Kasulo, V. (2000), "The loss of biodiversity in aquatic ecosystems: The case of demersal and gillnet fisheries in Malawi", in Perrings, C. (Ed.), *The Economics of Biodiversity Conservation in Sub-Saharan Africa*, Cheltenham: Edward Elgar, pp. 79-114.

Kasulo, V. (2000), "The impact of invasive species in African lakes", in Perrings, C., Williamson, M. and Dalmazzone, S. (Eds.), *The economics of biological invasions*, Edward Elgar: Cheltenham, pp. 183 - 207.

JOURNAL PUBLICATIONS

Holm, R.H., Tembo, M., **Kasulo, V.**, Gavanala, M.B. and Chilongo, L. (2022), "Institutional, technical and financial sustainability of rural piped drinking water supply on a freshwater island: Case study of Likoma Island, Malawi", *Lakes and Reservoirs*, <https://doi.org/10.1111/lre.12403>.

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*. <https://doi.org/10.1016/j.pce.2020.102842>.

Kasulo V., Holm, R., Tembo, M., Singini, W. and Mchenga, J. (2018), "Enhancing sustainable sanitation through capacity building and rural sanitation marketing in Malawi", *Environment Development and Sustainability*. doi:10.1007/s10668-018-0191-2.

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*. DOI: 10.1177/0956247818766495.

Holm, R., Kamangira, A., **Kasulo, V.**, Kaponda, P., Hara, E., Carney-Filmore, C. and Nhlema, M. (2017), “The handpump choice is yours: A pilot study in Rumphu District, Malawi”, *Waterlines*, Vol. 36 No. 4, pp. 358-366.

Singini, W., Kaunda, E., **Kasulo, V.**, and Jere, W. (2017), “Factors influencing Intertemporal Preference of Fisheries Resource Users of Lake Malombe in Malawi”, *Malawi Journal of Agriculture, Natural Resources and Development Studies* (MAJANDS) SPECIAL ISSUE JAN 2017, pp. 75-80.

Kachaje, O., **Kasulo, V.** and Chavula, G. (2016), “Detection of precipitation and temperature trend patterns for Mulanje District, Southern part of Malawi”, *Journal of Climatology and Weather Forecasting*, Vol. 4, No. 3, pp. 187.

Kachaje, O., **Kasulo, V.** and Chavula, G. (2016), “The potential impacts of climate change on hydropower: An assessment of Lujeri Micro-Hydropower Scheme, Malawi”, *African Journal of Environmental Science and Technology*, Vol. 10, No. 12, pp. 476-484.

Munthali, C.K., **Kasulo, V.** and Matamula, S. (2016), “Smallholder farmers perception on climate change in Rumphu District, Malawi”, *Journal of Agricultural Extension and Rural Development*, Vol. 8 10, pp. 202-210.

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., **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, pp. 8-15.

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Singini, W., Kaunda, E., **Kasulo, V.** and Jere, W. (2013), “Logit analysis of socio-economic factors influencing intertemporal preference of fisheries resource users of Lake Malombe in Malawi”, *Journal of Applied Social Sciences*, Vol. 3, pp. 120 – 126.

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., 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.

Kasulo, V., Chikagwa-Malunga, S., Chagunda, M.G.G. and Roberts, D.J. (2012), “The perceived impact of climate change and variability on smallholder dairy production in northern Malawi”, *African Journal of Agricultural Research*, Vol. 7 No. 34, pp. 4830-4837.

Tebug, S.F., **Kasulo, V.**, Chikagwa-Malunga, S., Wiedemann, S., Roberts, D.J. and Chagunda, M.G.G. (2012), “Smallholder dairy production in Northern Malawi: Production practices and constraints”, *Tropical Animal Health and Production*, Vol. 44 No. 1, pp. 55-62.

Kasulo, V., Mwabumba, L. and Munthali, C.R.Y. (2009), “A review of edible orchids in Malawi”, *Journal of Horticulture and Forestry*, Vol. 7, pp. 133-139.

Kasulo, V. and Perrings, C. (2006), “Fishing down the value chain: Biodiversity and access regimes in freshwater fisheries”, *Ecological Economics*, Vol. 59, pp. 106-114.

Kasulo, V. (2003), “Measuring the ecological and economic diversity of fish”, *Malawi Journal of Aquaculture and Fisheries*, Vol 2, pp. 2-5.

CONFERENCE PAPERS/ PROCEEDINGS

Singini, W., Msiska, O.V., Kapute, F., **Kasulo, V.**, Kang’ombe, J., Jere, W., Nyasulu, T., Mzengereza, K. and Kamangira, A. Development of quality and affordable fish feed for small scale fish farmers in Malawi. Paper presented at the Fourth RUFORUM Biennial Conference held at the Eduardo Mondlane University, Maputo, Mozambique, 21 to 25 July, 2014.

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.

Kasulo, V. (2000), “The economics of invasive species: Costs, incentives, risk analysis and the role of donors”, in Lyons, E.E. and Miller, S.E. (Eds.), *Invasive Species in Eastern Africa: Proceedings of a workshop held at ICIPE 5 to 6 July, 1999*, ICIPE Science Press: Nairobi, pp. 42 – 47.

KENNEDY MASAMBA, MSc; BSc

ORCID ID: <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. ISBN: 978-92-9060-535-5. 36

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. <https://doi.org/10.3390/su14052719> Academic Ed

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. DOI: 10.15406/mojfpt.2021.09.00263

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* 1Vol. 64, pp. 38 (2021). <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, 2020; Article no.APRJ.56794 ISSN: 2581-9992

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, uapaca kirkiana in the miombo woodlands 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.

Akinnifesi, F. K., Mng'omba, S. A., Sileshi, G., Chilanga, T. G., **Mhango J.**, Ajayi, O. C., Chakeredza, S., Nyoka, B. I. and Gondwe, F. M. T. (2009), "Propagule type affects growth and fruiting of uapacakirkiana, a priority indigenous fruit tree of Southern Africa", *Hort. Science*, Vol. 44 No. 6, pp. 1662-1667.

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.

Mhango, J., Akinnifesi, F.K., Mng'omba, S.A. and Sileshi, G. (2008), "Effect of growing medium on early growth and survival of uapaca kirkiana Müell Arg. seedlings in Malawi", *African Journal of Biotechnology*, Vol. 7 No. 13, pp. 2197-2202.

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 uapaca kirkiana, strychnoscocculoides, Adansonia digitata and

mangifera indica 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., Dhlwayo, 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.

Kadzere, I., Watkins, C.B., Merwin, I.A., Akinnifesi, F.K., Saka, J.D.K. and **Mhango, J.** (2006), "Fruit variability and relationships between color at harvest and quality during storage of uapaca kirkiana (Muell. Arg.) fruit from natural woodlands", *Horture Science*, Vol. 41 No. 2, pp. 352-356.

Mhango, J. and Akinnifesi, F.K. (2001), "The horticultural potential of Masuku (uapaca kirkiana) 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 Myrianthusholstiengl. 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 (Uapaca kirkiana) 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 Harare, 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.

Mhango, J., Akinnifesi, F.K. and Chilanga, T. Vegetative propagation of Uapaca kirkiana (Masuku) in Malawi. Paper presented at the first International Workshop on Fruit and Tree crops, production in small farming systems for poverty reduction, food security & income generation: Future solutions in Eastern and Southern Africa held in Mangochi, Malawi, 10 to 15 December, 2000.

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.

Masangano, C. M., Kayambazinthu, D. and **Mwabumba, L.** (1999), “*Management of miombo woodlands: The case of Malawi. A review on institutional arrangements governing the management of miombo woodlands*”, Zomba, Malawi: Forest Research Institute of Malawi.

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.

Kamangadazi, F., **Mwabumba, L.** and Missanjo, E. (2016), “The potential of selective harvesting in mitigating biomass and carbon loss in forest co-management block in Liwonde Forest Reserve, Malawi”, *Scholars Academic Journal of Biosciences*, Vol. 4 No. 9, pp. 716-721.

Chingaipe, B., **Mwabumba, L.**, Missanjo, E. and Senganimalunje, T. (2015), “Effectiveness of local institutions in sustainable management of forests in selected communities in Dedza, Malawi”, *Journal of Basic and Applied Research International*, Vol. 12 No. 3, pp. 181-189.

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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 id: 0000-0001-5394-6690

RESEARCH INTERESTS

- Forest machine – soil interactions
- Timber harvesting productivity and cost analyses
- Natural resources modelling

TITLE OF MASTER'S DISSERTATION

Prediction of Timber Harvesting Productivity for Semi-Mechanised Systems in Viphyra Forest Plantations, Malawi.

JOURNAL PUBLICATIONS

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 Viphyra forest plantations in Malawi”, *Southern Forests: A Journal of Forest Science*, Vol. 76 No. 4, pp. 195-200.

CONFERENCE PAPERS/PROCEEDINGS

Ngulube, E., Brink, M. and Chirwa, P.W. Productivity analysis of a grapple skidder system on the Viphyra 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*, Bloomington: Center for African Studies, University of Florida.

JOURNAL PUBLICATIONS

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. 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 Nathenje 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 underutilized indigenous fruit tree species using farmer friendly techniques: the case of *Myrianthusholstii* 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 of Geo-Sciences is in the Faculty of Environmental Science. It was established as a Geography section in the year 2000 under the Department of Humanities (comprising of Geography, History and Theology and Religious Studies) under the Faculty of Education. In 2007, it was made a full Department of Geography & Earth Sciences when it split from Department of Humanities. The Department was renamed Geosciences Department in 2018 to encompass all activities related to man interacting with the Earth in all forms of development including urbanization; population and resources; disasters and mitigation; climate change and mitigation; aspects of geologic environment; and mineral resources exploration and mining. This move was undertaken with the view to placing human livelihoods at the centre of exploitation of Earth resources. Hence, the environmental issues would inherently be embraced.

VISION

Professionals including teachers successfully completing studies at Mzuzu University will become empowered with geoscientific knowledge which will enable them discharge their work efficiently and effectively.

MISSION

The Mission of the department is to provide expertise in geoscientific investigations, research and consultancy services to society.

RESEARCH ACTIVITIES

The department seeks to conduct research and consultancy on emerging issues that are impacting 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 id: <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

Kretzer, M.M., Engler, S., **Gondwe, J.** and Trost, E. (2017), "Fighting resource scarcity–sustainability in the education system of Malawi – case study of Karonga, Mzimba and Nkhata Bay district", *South African Geographical Journal*, Vol. 99, No. 235-251.

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.

JAMES KUSHE, MSc; BA (Ed)

ORCID id: <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 the 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, and 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 id: 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);

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

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

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>

Derbalah, A., **Chidya, R.C.G.**, Kaonga, C., Iwamoto, Y., Takeda, K. and Sakugawa, H. (2020), “Carbaryl residue concentrations, degradation, and major sinks in the Seto Inland Sea, Japan”, *Environmental Science and Pollution Research*. 27, pp. 14668 – 14678.

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)).

Kamzati, L.L.J., Kaonga, C.C., Mapoma, H.W.T., Thulu, F.G., Abdel-dayem, S.M., Anifowose, A.J., **Chidya, R.C.G.**, Chitete-Mawenda, U. and Sakugawa, H. (2019), “Heavy metals in water, sediment, fish and associated risks from an endorheic lake located in Southern Africa”, *Int. J. Environ. Sci. Technol.*, Vol 17, pp. 253 – 266.

Chidya, R. C., Singano, L., Chitedze, I. and Mourad, K. A. (2019), “Standards compliance and health implications of bottled water in Malawi”, *International Journal of Environmental Research and Public Health*, Vol. 16 No. 6, 951.

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.

Jadoon, W.A., Khpalwak, W., **Chidya, R.C.G.**, Abdel-Dayem, S.M.M.A., Takeda, K., Makhdoom, M.A. and Sakugawa, H. (2018), “Evaluation of levels, sources and health hazards of

road-dust associated toxic metals in Jalalabad and Kabul Cities, Afghanistan”, *Archives of environmental contamination and toxicology*, Vol. 74 No. 1, pp. 32-45.

Chiposa, R., Holm, R.H., Munthali, C., **Chidya, R.C.** and Francis, L. (2017), “Characterization of pit latrines to support the design and selection of emptying tools in peri-urban Mzuzu, Malawi”, *Journal of Water Sanitation & Hygiene for Development*, Vol. 7 No. 1, pp. 151-155.

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.

Chidya, R.C., Matamula, S., Nakoma, O. and Chawinga, C.B. (2016), “Evaluation of groundwater quality in rural-areas of Northern Malawi: Case of Zombwe Extension Planning Area in Mzimba”, *Physics and Chemistry of the Earth, Parts A/B/C*, Vol. 93, pp.55-62.

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.

CONFERENCE PAPERS

Chidya, R., Chunga, B.A., Mkwambisi, D., Chikadza, B., Chinseu, P., Holm, R. and Dinga, C. Assessment of factors affecting female participation in Sanitation and Science Technology Engineering and Mathematics (STEM) education in Malawi. Paper presented at the National Youth and AGYW Symposium held at the BICC, Lilongwe, Malawi on August, 31, 2022.

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.**, Chintali, 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 to 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 to 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 to 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 to 21st Mar, 2019.

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 National Water Conference & Exhibition held at the Crossroads Hotel, Blantyre in Blantyre Malawi from 20 to 21 March, 2019.

Chidya, R.C.G., Abdel-dayem, S.M., Kaonga, C.C., Takeda, K. and Sakugawa, H. Ecological and human health risk assessment of pesticides in Kurose River, Higashi-Hiroshima city (Japan). Paper Presented at the Geochemical Society of Japan Annual meeting held at the University of the Ryukyus in Japan from 11 to 13th September, 2018.

Abdel-dayem, S.M., **Chidya, R.C.G.**, Kaonga, C.C., Takeda, K. and Sakugawa, H. Determination of pesticide residues in natural waters using sensitive and selective validated SPE-HPLC-UV Vis method. Paper presented at International Conference on Applied Agricultural Sciences and Prospective Technology (ICASPT) Luxor-Egypt from 23 to 26 February, 2018.

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 to 16th February, 2018.

Abdel-dayem, S.M., **Chidya, R.C.G.**, Kaonga, C.C., Takeda, K. and Sakugawa, H. Determination of pesticide residues in natural waters using sensitive and selective validated SPE-HPLC-UV Vis method. Paper presented at International Conference on Applied Agricultural Sciences and Prospective Technology (ICASPT) Luxor-Egypt from 23 to 26 February, 2018.

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 to 16th February, 2018.

Chidya, R.C.G., Biswick, T.T., Abdel-dayem, S.M., Takeda, K. and Sakugawa, H. Simultaneous analysis of pesticides in marine samples from Seto Inland Sea, Japan. Paper presented at the Oceanographic Society of Japan Annual Meeting, Sendai International Center, Sendai City – JAPAN from 13 to 15th October, 2017.

Abdel-dayem, S.M., **Chidya, R.C.G.**, Takeda, K. and Sakugawa, H. Distribution and spatial studies on selected pesticide residues in marine samples from Seto Inland Sea, Japan. Paper presented at the Chemical Society of Japan Annual Meeting held at Keio University, Yokohama Prefecture – Japan from 15 to 19 March, 2017.

Chidya, R.C.G., Abdel-dayem, S.M., Takeda, K. and Sakugawa, H. Method validation and evaluation of selected pesticide residues (Diazinon, Fenarimol, Cyanazine, Isoprothiolane, Simetryn) in water samples from Kurose River, Japan. Paper presented at the Geochemical Society of Japan Annual Conference held at Osaka City University from 14 to 16 September, 2016.

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 to 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 to 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 to 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 to 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 to 30th October, 2015.

Chidya, R.C.G. and Manda, I.K.M. Impact analysis of mining activities in Malawi - Recipe for Development Versus Water Resources Management: Case of Kayerekra Uranium, Mchenga and Eland Coal Mines. Paper presented at the World Water Day -WASAMA National Water Conference held at the Grand Palace Hotel in Mzuzu, Malawi from 20to 21st March, 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 World Water Day -WASAMA National Water Conference held at the Grand Palace Hotel in Mzuzu, Malawi from 20 to 21st March, 2015.

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 to 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 to 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 to 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 to 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 to 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 to 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 to 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 to 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 to 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 to 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 to 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 to 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 to 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 to 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

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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.** (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

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., Mkwambisi, D., Workman, C.S., de los Reyes III, F., and Holm, R. (2022). Educating sanitation professions: Moving from STEM to specialist training in higher education in Malawi. *Waterlines*; Vol. 41, No. 3, pp. 1-13.

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 to 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 to 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 to 15 September 2021.

MPHATSO MALOTA, MSc; BSc

ORCID id: <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

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>.

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 nexuss in theory and practice: A systematic Review", *Journal of Frontiers in Water*, <https://doi.org/10.103389/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 to 2 September, 2022.

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, 30 August to 2 September, 2022.

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 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 be recognized as the leading body of biomedical science education, research and consultancy in Malawi and beyond.

MISSION

To produce highly qualified Biomedical Scientists through education and research in order to improve the health of Malawians.

RESEARCH AREAS

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

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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 id: <https://orcid.org/0000-0002-5475-3142>

RESEARCH INTERESTS

- Exploring how pathogens adapt to host and environmental niches and evaluating the subsequent impact on their virulence
- Understanding the 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., Keevan, 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, <https://doi.org/10.1016/j.celrep.2021.110183>.

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, <https://doi.org/10.1002/rmv.2271>.

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, <https://doi.org/10.3390/jof7020119>.

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, <https://doi.org/10.1371/journal.ppat.1006403>.

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.

VISION

The vision of the Nursing and Midwifery department is to contribute to the improvement of quality 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.

MISSION

The mission of the Nursing and Midwifery department is to provide high quality nursing and midwifery education, training and research in Malawi to meet the health needs of the nation and worldwide

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

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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

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, <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.

Chingatchifwe, 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.

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 id: 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

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, pp. 96-102.

Chimbatata, N.B. and Hu, C. (2016), "Illness narrative: Perceptions and lived experiences of kidney recipient clients in Shanghai, China", *Open Journal of Nephrology*, Vol. 6 No. 03, pp. 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; UCMORCID id: <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., Mpasas, 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.

Mpasas, 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, DOI: 10.7759/cureus.2673.

CONFERENCE PRESENTATIONS

Mpasas, 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; UCM; BScN

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RESEARCH INTERESTS

- Nursing education
- Simulation
- HIV/AIDS
- Sexual and reproductive health
- Adolescent health

TITLE OF MASTER'S DISSERTATION

Faculty Caring: Perspectives from Mzuzu University Nursing and Midwifery Students.

JOURNAL PUBLICATIONS

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, <https://doi.org/10.1002/rmv.2271>

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

Mpasa, 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 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.

Chipeta, M. and Gombachika B. Faculty caring: Perspectives from Mzuzu University nursing and midwifery students. Paper presented at the Research and innovation: A catalyst for sustainable development Conference organised by the 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. Paper presented at the 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

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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

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.

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, <https://doi.org/10.1016/j.imu.2019.100261>

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>

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>

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>.

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 to 1 July, 2016.

ATUPELE MALEMA, MSc Epi; UCM; BScN

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 id: <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.

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.

TAMARA PHIRI, MSc; BSc;**RESEARCH INTERESTS**

- Maternal, newborn and child health
- Reproductive health
- Clinical practice and education

TITLE OF PHD THESIS (ON GOING)

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

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, new-born 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**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, <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.

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.

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.

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. Adejumo, E., 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, pp. 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, pp. 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, pp. 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-Ngaiyaye, E. (2010), “Epilogue: The International Ethics Conference; an eye opener”, *Research Administration*, Vol. 41 No. 2, pp. 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 PUBLICATION

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, DOI: 10.7759/cureus.2673.

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. DOI: 10.7759/cureus.1246.

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

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RESEARCH INTERESTS

- Contact Lenses
- Binocular vision
- Clinic Management
- Use of Technology for clinical teaching and assessment
- 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

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. pp.1-7.

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 Xylopia aethiopica (African guinea pepper) seeds on visually active volunteers", *Journal of ethnopharmacology*, Vol. 86 No. 2 - 3, pp. 139-142.

CHIKASIRIMOBİ GOODHOPE TIMOTHY, MOptom; OD.

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RESEARCH INTERESTS

- COVID-19 epidemiology, management and impact globally, regionally and locally
- 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, 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>.

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*. *African Vision and Eye Health*, Vol. 80 No. 1/a617/ DOI: <https://doi.org/10.4102/aveh.v80i1.617>.

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.

Ovenseri-Ogbomo, G.O., Ishaya, T., Osuagwu, U.L., Abu, E.K., Nwaeze, O., Oloruntoba, R., Ekpenyong, B., Mashige, K.P., **Chikasirimobi, T.G.**, Langsi, R. and Charwe, D. (2020), "Factors

associated with the myth about 5G network during COVID-19 pandemic in sub-Saharan Africa”, *Journal of Global Health Reports*, <https://doi.org/10.29392/001c.17606>.

Osugwu, 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., Osugwu, 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.

Osugwu, 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., Osugwu, 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., Osugwu, 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 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

BACKGROUND

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.

MACKENZIE CHIBAMBO, MA; B Ed

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RESEARCH INTERESTS

- Open and Distance Learning and E-learning
- Business Models
- Creative Writing
- Publishing for Social Changes
- Inclusive and girls' education

TITLE OF MASTER'S DISSERTATION

How Best to Support ODL Students Who Have No Access to Textbooks.

BOOK PUBLICATIONS

Chibambo, M.I. (2014) *The senior secondary English grammar and language*, North Charleston: CreateSpace.

Chibambo, M.I. (2013) *Nkhokwe ya malamulo msukulu za sekondale*, 3rd edition, Blantyre, Malawi: CLAIM Mabuku

Chibambo, M.I. (2012) *The new schools English language and grammar*, England: Rare Publications.

JOURNAL PUBLICATIONS

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. 126-138.

Chibambo, M.I. (2016), "Take it or leave: Agile/novelty business models and value addition in the publishing sector and forces impacting on these models", *Journal of Arts, Science & Commerce*, Vol. 7 No. 3, pp. 1-16.

Chibambo, M.I. (2016), "Scurrying for a successful open and distance learning model in Malawi: Prevalent issues and trends." *Journals of Arts, Science and Commerce*, Vol. 2 No. 4.1, pp. 8-21.

CONFERENCE PAPERS

Chibambo, M.I. Investigating the flipside of Open, Distance and e-Learning in Malawi. Paper presented at ICERT World Conference in Johannesburg from 27 to 30 July 2019.

Chibambo, M.I. The book history and print culture. Paper presented at The Book as a Tool for Change Conference held at the University of Pretoria on 23 May, 2019.

Chibambo, M.I. Innovations in Book Publishing. Paper presented at the role of the internet, clouds and networking conference held in Pretoria, 27 to 29 May, 2017.

Chibambo, M.I. The Book History and Print Culture. Paper presented at The Book as a tool for change conference held at the University of Pretoria on 23 May, 2016.

Chibambo, M.I. The Cambridge International Conference on Open and Distance Learning. Supporting learning in the digital age: rethinking inclusion, pedagogy and quality conference held at the Von Hügel Institute, St Edmund's College, Cambridge, 22 to 25 September, 2009.

ELIDA TAFUPENJI KAMANGA, MA; BEd.

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

RESEARCH INTERESTS

- Health Communication
- Media Effects
- Cross-Cultural 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.

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 Grice's 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

An academic department of excellence, responsive to knowledge, training, research and skills gaps in governance, peace and security studies for various institutions and management bodies in Malawi, the region and beyond.

MISSION

To provide high quality education, training, research and complimentary services that promote good governance, culture of peace and security in Malawi and the region.

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 id: 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 at 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 id: 0000-0002-2241-5835

RESEARCH INTERESTS

- Foreign policy of African States
- Security and development
- Governance (Rural and national)
- Ethnic and racial studies
- Terrorism
- 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. The effects of politicized ethnicity on security and development in Malawi from 2004 to 2020. A 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

ORCID id: <https://orcid.org/0000-0002-7675-1754>

RESEARCH INTERESTS

- Human Security
- Peace Studies
- Security and Development
- Women empowerment
- Debt and poverty in third world countries
- China-Africa Relations

TITLE OF MASTER'S DISSERTATION

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

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. 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 taking conference held in Liwonde, Malawi, 4 to 5 March, 2010.

DEPARTMENT OF HISTORY AND HERITAGE STUDIES

BACKGROUND

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 CHIDOBA BANDA, PhD; MA

ORCID id: <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

TITLE OF MASTER'S DISSERTATION

Gendered Patterns of Contemporary Malawian Migrantcy: The Case of Zubayumo Makamo Area in Mzimba District, 1970s - 2005", History Department, Chancellor College, University of Malawi, 2008.

BOOK PUBLICATIONS

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

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

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

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 migrantcy 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 migrantcy 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, MA, PGD, BA

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

RESEARCH INTERESTS

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

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

Chiwaura, H. (2022), "African Liberation Heritage in the post-colonial period: The museumisation of Joshua Nkomo's house in Bulawayo", in (Eds) 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.

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

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.

Chiwaura, H. (2012), “Community Development, Income Generation and Heritage Management: The Case Study of Ziwa National Monument, North-Eastern Zimbabwe”, *Zimbabwea*, No. 10, pp. 51-59.

Duri, F. and **Chiwaura, H.** (2012), “Urbanism in Pre-Colonial Zimbabwe”, *Zimbabwe: 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. 277-29.

CONFERENCE PAPERS

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 to 8 October, 2022.

Chiwaura, H. and Lusaka, M. Reflections on culture and heritage in Malawi’s education. Presented at the National Conference on Arts and Culture held at Sunbird Capital, Lilongwe, from 24 to 25 October, 2022.

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

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 K. and Mulwafu, W. (Eds.), *Politics, Christianity and Society in Malawi: Essays in Honour of John McCracken*, Mzuzu: MZUNI Press.

JOURNAL PUBLICATIONS

Lusaka, M. (2023), "Kamuzu Banda's memory and negotiation of power in Malawi", *Cogent Arts & Humanities*, Vol. 10 No. 1, 2198319, DOI: 10.1080/23311983.2023.2198319

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

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. and Chiwaura, H. Enhancing and extending the historical narrative of post telecommunications at Mtenga-tenga postal hut museum in Chiradzulo. Paper presented at Technology and Material Culture Conference, University of Daresalaam, Tanzania, 4 to 8 January, 2023.

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 to 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 to 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 to 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 to 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 to 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 to 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.

JOURNAL PUBLICATIONS

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 G. NKHOMA, PhD; MA; BEdORCID id: <https://orcid.org/0000-0001-7449-6959>**RESEARCH INTEREST**

- Agriculture and environmental history
- Forced migration
- Diplomatic relations

TITLE OF PHD THESIS

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

TITLE OF MASTER'S DISSERTATION

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

BOOK CHAPTERS

Nkhoma, B. Kayira, G. and P. Banda, (2022), "Pandemics, Politics and Governance: Contestations Over State Management Covid-19 in Malawi," in 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 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 Series, pp. 379-395.

JOURNAL ARTICLE PUBLICATIONS

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. 1, 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.

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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*, Vol. 29, pp. 1327-1333.

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

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

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

RESEARCH INTERESTS

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

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*, Vol. 87, pp. 107-121.

CONFERENCE PAPERS

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 Sciences is one of the departments in the Faculty of Humanities and Social Sciences at Mzuzu University (MZUNI). The Department was established in 2003. Until 2016, the Department operated under the Faculty of Information Science and Communications. In 2016, MZUNI restructured its faculties and departments and as part of this process, the Information Sciences moved from the defunct Faculty of Information Science and Communications to the new Faculty of Humanities and Social Sciences; in the same year, the Department adopted a new nomenclature, changing from the Department of Library and Information Science to the Department of Information Sciences.

VISION

To become a centre of excellence in the provision of education, training and research that promotes information sciences issues 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 id: <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

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.

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.

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.

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.

Phiri, A., Chipeta, G.T. and **Chawinga, W.D.** (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.

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.

Chawinga, W. D. and Chipeta, G. (2017), "A synergy of knowledge management and competitive intelligence: A key for competitive advantage in small and medium business", *Business Information Review*, Vol. 4 No. 1, pp. 25-36.

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.

Chawinga, W.D. and Zinn, S. (2016), "Use of Web 2.0 by students in the Faculty of Information Sciences and Communication at Mzuzu University", *South African Journal of Information Management*, Vol. 18 No. 1, pp. 1-12.

Chawinga, W.D. and Zozie, P. (2016), "Information needs and barriers to information sources by open and distance learners: a case of Mzuzu University, Malawi", *South African Journal of Information Management*, Vol. 18 No. 1, pp. 1-12.

Chawinga, W.D. and Zozie, P. (2016), "Increasing access to higher education through open and distance learning: empirical findings from Mzuzu University, Malawi", *The International Review of Research in Open and Distributed Learning*, Vol. 17 No. 4, pp. 1-20.

Chawinga, W.D. and Zinn, S. (2015), "Lecturers' use of Web 2.0 in the Faculty of Information Sciences and Communication at Mzuzu University, Malawi", *Mousaion: South African Journal of Information Studies*, Vol. 33 No. 4, pp. 62-85.

Chawinga, W.D. 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 No. 1, pp. 20-43.

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.

Chawinga, W., Lihoma, P. and Mkuwira, M. Withstanding the test of time: long-term stewardship of digital archives in 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.

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 id: 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

Gama, LC., **Chipeta, G.T.** and Chawinga, W.D. (2022), "Electronic learning benefits and challenges in Malawi's higher education: A literature review", *Journal of Education and Information Technologies*, Vol. 27, pp. 11201-11218.

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, <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.

SELLINA KHUMBO KAPONDERA, PhD; MLIS; BLIS

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RESEARCH INTERESTS

- Telecentres
- ICT4D
- e-Commerce
- e-Learning

TITLE OF PHD THESIS

The Role of Telecenters 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.

JOURNAL PUBLICATIONS

Kapondera, S.K. and Chigona, W. (2018), "Domestication of Telecentres by Malawian rural women", *International Journal of Information Communication Technologies and Human Development (IJICTHD)*, Vol. 10 No. 1, pp. 51-64.

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.

Kapondera, S.K. and Hart, G. (2016), "The use of multipurpose community telecentres and their services in Malawi: The case of Lupaso Community Telecentre", *The South African Journal of Libraries and Information Science*, Vol. 82 No. 1, pp. 13-25.

Kapondera-Longwe, S.K. (2013), "An exploratory study of the role of telecentres in providing rural community access to Information and Communication Technology services in Malawi: A case of Goliati Telecentre", *Malawi Journal of Library and Information Science*, Vol. 1 No. 1, pp. 1-18.

CONFERENCE PAPERS

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 Library Thing. 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

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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

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 to 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 to 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 to 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 to 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 to 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.

AUSTINE PHIRI, MLIS; BLIS

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RESEARCH INTERESTS

- Records Management
- Archives Management
- Information Behavior
- Data Stewardship
- 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 Paola de Salvo (eds), *Rural Development*, London: Intech Open.

JOURNAL PUBLICATIONS

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. <https://doi.org/10.1177/21582440221119482>.

Gama, L., Chipeta, G. T., Chawinga, W. D. and **Phiri, A.** (2020), "Information behaviour of prison inmates in Malawi", *Journal of Librarianship and Information Science*, Vol. 52 No. 4, pp. 1224 - 1236.

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

Kalindang'oma, M., Chipeta, G., **Phiri, A.** 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) conference held in Windhoek, Namibia from 8 to 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 from 18 to 20 November, 2020.

Selemani, A., Chawinga, W. and **Phiri, A.** (2016), “Awareness of digital rights management in academic Libraries: A survey of three selected Malawian University/College libraries”, Proceedings of 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 April 25-30, pp. 217-225.

Phiri, A., Chipeta, G. and Chawinga, W. Information seeking behaviour of rural smallholder farmers in Malawi. Paper presented at the Information Behavior Conference held in Krakow, Poland from 9-11 October 2011.

Phiri, A., Chipeta, G. T. and Chawinga, W. D. (2020). Information seeking behaviour of rural smallholder farmers in Malawi. The Information Behavior Conference, Krakow, Poland. 9-11 October 2011.

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.

VISION

A premier provider of scholarship in language, cultural and creative arts in Malawi and the world

MISSION

To provide high quality education, training, research and complementary services in language, cultural and creative arts in Malawi and the world

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

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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 CHAPTER

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.

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 id: 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 CHAPTERS

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

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 id: <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 PUBLICATION

Zulu, M. Kamanga, CM.M. & Mwale, M. (2009). *Poems from the Heart*. Blantyre: Malawi Writers Union.

BOOK CHAPTERS

Kamanga, CM.M. (2014). JET’s Approach to Teacher Development. In Godwin Khosa. (Ed.). *Systemic School Improvement in South Africa: Some Lessons from Development Practitioners*. (21- 29).

Kamanga, CM.M. (2014). Teacher Development in the GET Band. In Godwin Khosa. (Ed.). *Systemic School Improvement in South Africa: Some Lessons from Development Practitioners*. pp. 31- 39).

Kamanga, CM.M. (2009). Joys and Pitfalls of Multiple Language Acquisition: The Workings of the Mind of a Simultaneous Multilingual. In Elka Todeva & Jasone Cenoz. (Eds.). *Multiple Realities of Multilingualism*. Berlin: Mouton De Gruyter.

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*, 5 (5), pp. 19- 30.

Kamanga, CM.M. (2014). Who speaks Chibrazi, the urban contact vernacular of Malawi? *Language Matters: Studies in the Languages of Africa*. 45 (2). 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." Paper presented at the Ninth International Conference for Bantu Languages hosted by Malawi University of Science and Technology at Protea Mount Soche Hotel, Blantyre, 7th to 10th 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 held at SADTU Village, Kempton Park, 3rd to 5th July, 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, 2nd to 6th July, 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 held at the University of Malawi, Chancellor College, Zomba, 14th to 15th 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, 2016.

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 held at Protea Hotel Edwards, Durban, 4th to 6th September, 2015.

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, 11th to 13th December, 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 held at the University of the North West, Vaal Triangle, 2015.

Kamanga, CM.M. "Who speaks Chibrazi, the urban contact vernacular language of Malawi?" Paper presented at the African Urban and Youth Languages Conference hosted by the University of Cape Town at Lady Hamilton Hotel, Cape Town, 5th to 6th July, 2013.

SERAH NAMULISA KASEMBELI, PhD; MA; BEd

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RESEARCH INTERESTS

- Epistemic Violence and Disobedience
- Indian Ocean Slave Histories in literature and culture
- Slave Trauma in literature and culture
- Racial/Colonial Violence and its continuities in the post- colonial present

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*, Langaa RPCIG, pp. 68-95.

JOURNAL PUBLICATIONS

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)

ORCID id: <https://orcid.org/0000-0002-9456-2682>

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 MA 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 PAPERS

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 to 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.

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.

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. *The postcolonial African novel as a metanarrative of the myth of the nation-state*. Paper presented at the University of Botswana, 12 to 14th July, 2012.

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

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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.

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. 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)

ORCID id: <https://orcid.org/0000-0002-7902-5280>

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 November, to 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 to 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 to 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 to 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 to 12th April, 2018.

DEBORAH NDALAMA MTAWALI, MA; BA**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.

JOURNAL PUBLICATIONS

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 to30 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 to15 September, 2017.

DEPARTMENT OF THEOLOGY AND RELIGIOUS STUDIES

HISTORICAL BACKGROUND

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.

VISION

A premier provider of Theology and Religious Studies education, research and outreach in Malawi and the world

MISSION

To provide high quality Theology and Religious Studies education, training, research, consultancies and complementary services in Malawi and the world.

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; B Th; 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., 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. (2006), *Be careful, Aids is real*, Zomba: Lydia Print.

NyaGondwe-Fiedler, R. (2006), *Tichenjere. Edzi yirikonadi*, Zomba: Lydia Print.

NyaGondwe-Fiedler, R. (2005), *Chenjerani. Nthenda ya Edzi ilikodi*, Zomba: Lydia Print.

NyaGondwe-Fiedler, R. (2005), *Women of the Bible and culture. Baptist convention women in southern Malawi*, Zomba: Kachere.

NyaGondwe-Fiedler, R. (2005), Coming of age: A Christianized initiation among women of southern Malawi, Zomba: *Kachere*.

BOOK CHAPTERS

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.

NyaGondwe-Fiedler, R. (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.

NyaGondwe-Fiedler, R. (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

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), "Ringten um Identität: Erfahrungenevangelikaler Frauen mitInitiationsriten 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.

COGITATOR WILTON YAWAKA MAPALA, PhD; MEd; MTh; BD; UCE

ORCID id: <https://orcid.org/0000-0003-1182-3806>

RESEARCH INTERESTS

- History- Religion and Politics,
- Church and Society
- Theology and Development
- Curriculum Issues

TITLE OF 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. (2022), "Decolonising Theological Education in Malawi: A Challenge to Curriculum Reforms in Institutions of Higher Learning", Felix Chimera Nyika, Mzee Mermann Y. Mvula and Kenneth R. Ross, *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 Ecclesiasticae*, Vol. 41 No. 3, pp. 63-78.

CONFERENCE PAPERS

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. “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. (CE); BA; UCE

ORCID id: <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

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 to 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 id: <https://orcid.org/0000-0001-5163-0908>

RESEARCH INTERESTS

- African Theology
- Christianity and Sociocultural 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 MASTERS 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

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).

Munyenyebe, R.G. (2011) *Christianity and Socio-Cultural Issues: The Charismatic Movement and Contextualization in Malawi*, Zomba: Kachere/Mzuzu: Mzuni Press.

BOOK CHAPTERS

Fiedler, R., **Munyenyebe, R.**, Mlenga, J., Nyika, F., Kumwenda, J. and Kaminga, A.C. (2022), "Beating the Odds. African Women Cope Better with Covid-19 than Men," in Ndasauka, Y. et al (eds.), *Pandemics and Psychological Distress Book Project*, Routledge.

Munyenyebe R. (2021), "Revival roots in the CCAP", Nkhoma, J., et al (eds), *Mission in Malawi: Essays in Honour of Klaus Fiedler*, Mzuzu: Mzuni Press.

Munyenyebe, R. (2021), "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.

JOURNAL PUBLICATIONS

Munyenembe, 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.

Munyenembe, 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.

Munyenembe, 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>.

Munyenembe, R.G. (2014), “The Voice of John Chilembwe on some Contemporary Malawian Issues”, *Religion & Culture*, No. 2, pp. 42 - 46.

Munyenembe, R.G. (2007), “Combating HIV/AIDS at Congregational Level: Some Challenges and Suggestions”, *Religion in Malawi*, No. 14, pp. 41- 45.

Munyenembe, R.G. (2005), “African Christian Scholars and the Study of African Traditional Religion (ATR)”, *Religion in Malawi*, No. 12, pp. 36-40.

CONFERENCE PAPERS

Munyenembe, 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.

Munyenembe, 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.

Munyenembe, 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.

Munyenembe, 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.

Munyenembe, R.G. “An Evaluation of the Role of Traditional Leaders as Stakeholders in the Implementation of the Language in Education Policy.” Paper presented at the 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.

JONATHAN NKHOMA, MA; BA (Theol.); BA (Biblical Studies)**RESEARCH INTERESTS**

- New Testament and Early Christianity
- Gender and Sexuality in Southern Africa
- State, Religion and Politics in Africa
- Law, Religion and the Family in Africa
- Disability and Religion in Southern Africa

BOOK PUBLICATIONS

Nkhoma, J., Munyenembe, R. and Longwe, H. (eds.) (2021) *Mission in Malawi: Essays in honour of Klaus Fiedler*, Mzuzu: Mzuni Press.

Nkhoma, J.S. (2020) *Mission foundations: Biblical and Missiological Essays from Malawi*, Mzuzu: Mzuni Press.

Nkhoma, J.S. (2013) *Significance of the Dead Sea Scrolls and other essays, Biblical and early christianity studies from Malawi*, Zomba: Kachere.

Nkhoma, J.S. (2006) *The use of fulfilment quotations in the Gospel according to Matthew*, Mzuzu: Mzuni Press.

BOOK CHAPTERS

Nkhoma, J.S. (2019), "Religious education and civic responsibility in Malawi: *A Historical perspective*," in Amanze, J.N., Masango, M., Chitando, E. and Siwila, L. (Eds.), *Religion and Development in Southern and Central Africa Vol. II*, Mzuzu: Mzuni Press, pp. 329 - 351.

Nkhoma, J.S. (2018), "Malawi", in Lamport, M.A. (Ed.), *Encyclopedia of Christianity in the Global South, Vol. II*, Blue Ridge Summit, PA: Rowman & Littlefield, pp. 477 - 481.

Nkhoma, J.S. (2016), "Positive disabled identity: A Biblical Perspective", in Kabue, S., Amanze, J.N. and Landman, C. (Eds.), *Disability in Africa, Resource Book for Theology and Religious Studies*, Nairobi: Action Publishers, pp. 97-110.

Nkhoma, J.S. (2020), "Church and disability in Malawi: A social-cultural and religious perspective," in Amanze, J.N. and Nkomazana, F. (Eds.) *Disability is not Inability: A quest for inclusion and participation of people with disability in Society*, Mzuzu: Mzuni Press, pp. 254-277.

Nkhoma, J.S. (2020), "Mission in the postmodern world: A philosophical foundation", in Nkhoma, J., Munyenembe, R. and Longwe, H. (Eds.), *Mission in Malawi: Essays in Honour of Klaus Fiedler*, Mzuzu: Mzuni Press, pp.19-43.

Nkhoma, J.S. (2020), "Mission in the postmodern world: A Biblical Foundation", in Nkhoma, J., Munyenembe, R. and Longwe, H. (Eds.), *Mission in Malawi: Essays in Honour of Klaus Fiedler*, Mzuzu: Mzuni Press pp. 44-71.

Nkhoma, J.S. (2020), “TEEM: Challenges and opportunities of a missional education in Malawi,” in Nkhoma, J., Munyenembe, R. and Longwe, H. (Eds.), *Mission in Malawi: Essays in Honour of Klaus Fiedler*, Mzuzu: Mzuni Press pp. 264-276.

Nkhoma, J.S. (2022), “Decolonizing the Bible: re-reading the Bible through the lens of African Biblical Hermeneutics,” in Nyika, F.C., Mvula, M.H. and Ross, K.R. (Eds.), *Decolonizing the Theological Curriculum in an Online Age*, Zomba: TSM Press, pp. 223-241.

JOURNAL PUBLICATIONS

Nkhoma, J.S. (2015), “Let the Reader Understand’ Mark 13: A Narrative-Critical Study”, *Religion and Culture, A Journal of Religious and Cultural Studies*, No. 2, pp. 40-42.

Nkhoma, J.S. (2013), “Discipleship in Matthew: A Redaction-Critical Study”, *Religion and Culture: A Journal of Religious and Cultural Studies*, No. 1, pp. 9-12.

Nkhoma, J.S. (2003), “Significance of the Dead Sea Scrolls (Qumran Literature) for the study of the New Testament: An Overview”, *Malawi Journal of Biblical Studies*, No. 1, pp. 49-89.

CONFERENCE PAPERS

Nkhoma, J. S. and Mhango, L. Model for integrated and transformative education in Malawi. Paper presented at the Livingstonia Synod Conference, University of Livingstonia, Grand Palace, Mzuzu, 20th to 21st January, 2017.

Nkhoma, J.S. Positive disabled identity: A Biblical perspective. A Paper presented at EDAN/ATISCA Conference, held at Chancellor College, University of Malawi, 20 to 25th July, 2015.

Nkhoma, J.S. TEEM: Challenges and opportunities. Paper presented at the Theological Education by Extension in Malawi (TEEM) Conference, 21 May, 2011.

Nkhoma, J.S. The use of fulfilment quotations in the Gospel according to Matthew. Paper presented at the International Conference on the Bible organized by the Association of Theological Institutions in Southern and Central Africa (ATISCA) held in Zomba, Malawi from 21 to 24 August, 2001.

FACULTY OF SCIENCE, TECHNOLOGY AND INNOVATION

The Faculty of Science, Technology and Innovation (FTI) is one of the six faculties that emerged following the restructuring of the University programmes in 2017. The Faculty currently comprise of six academic departments namely Mathematics and Statistics, Biological Sciences, Physics and Electronics, Chemistry, Energy Systems, and Information and Communications Technology.

The Faculty of FTI offers a number of academic programmes at undergraduate and postgraduate levels. Departments falling under the faculty of FTI 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 taken a leading role in spearheading outreach functions of the University by carrying out trainings that facilitate information and skill transfer to community members through a number of short courses.

RESEARCH AREAS

Members of staff within the faculty of FTI 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.

VISION

To be recognized as the leading body of biomedical science education, research and consultancy in Malawi and beyond.

MISSION

To produce highly qualified Biomedical Scientists through education and research in order to improve the health of Malawians.

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.

McLENELIOUS CLEMENT CHIMENYA, MSc; BEd Sc. (Hons); BEd Sc.; DipEd Sc.

RESEARCH INTERESTS

- 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 PAPERS

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*, pp. 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*, pp. 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*, pp. 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*, pp. 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.ORCID id: <https://orcid.org/0000-0002-8301-6184>**RESEARCH INTERESTS**

- Bacteriology
- Mycology
- Vaccine Development
- Virology
- Mycobacteriology

TITLE OF MASTER'S DISSERTATION*BIOMarkers TO diagnose PnEumonia (BIOTOPE)***JOURNAL PUBLICATIONS**

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.

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, 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, 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*, Vol. 11, 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, <https://doi.org/10.1016/j.eclinm.2021.101164>

Kayira, A., **Chisale, M.R.O.**, et al. (2021), “Histopathological profile of breast cancer at a tertiary hospital in Malawi: A retrospective cross-sectional study”, *Afr. J. Reprod. Health*, Vol. 25 No. 1, pp. 76 - 80.

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*, Vol. 5, 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. 61(1) 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 to 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 to 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 to 23 November, 2013.

PAUL MUTIYENKHU MUNYENYEMBE, PhD; MSc, BSc**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.

TITLE OF MASTER'S DISSERTATION

The influence of cultural practices on the development and productivity of Columbus grass (*Sorghum alnum* Parodi) and blue panic grass (*Panicum antidotale* Retz)

BOOK CHAPTER PUBLICATIONS

Munyenyembe, M.P. and E.Y. Sambo (1998), "The vegetation of Lake Chilwa", in Van Zegeren, K. and Munyenyembe, M.P. (eds.) *The Lake Chilwa Environment, a Report of the 1996 RAMSAR Site Study*: 39-71.

Sambo, E. and **Munyenyembe, 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

Chataika, B. Y. E., Bokosi, J. M., Kwapata, M. B., Chirwa, R. M., Mwale, V. M., **Munyenyembe, P.** and Myers, J. R. (2010), "Performance of parental genotypes and inheritance of Angular Leaf Spot (*Phaeosariopsis griseola*) resistance in the common bean (*Phaseolus vulgaris*)", *African Journal of Biotechnology*, Vol. 9 No. 28, pp. 4398-4406.

Kwapata, K., Mwase, W.F., Bokosi, J.M., Kwapata, M.B. and **Munyenyembe, P.** (2007), "Genetic diversity of *Annona senegalensis* Pers. populations as revealed by simple sequence repeats (SSRs)", *African Journal of Biotechnology*, Vol. 6 No. 10, pp. 1249-1247.

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 **Munyenyembe, P.** (1993), "Pollination Ecology of *Dalechampia* species", *National Geographic Research and Exploration*, Vol. 9 No. 4, pp. 460-474.

Munyenye, 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.

CONFERENCE PROCEEDINGS

Munyenye, 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 to 27 August 1994, Wageningen, the Netherlands.

CONFERENCE PAPERS

Munyenye, 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 to 17 July 1992.

Munyenye, 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 to 20 July 1995, Mangochi, Malawi.

Munyenye, 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 to 25 July 2014.

SAUL ERIC MWALE, MSc; BScORCID id: <https://orcid.org/0000-0002-4263-2941>**RESEARCH INTERESTS**

- Breeding for resistance to biotic stresses
- Biochemical and proximate analysis
- Conservation of plant genetic resources
- Plant microbe-interactions.
- Seed systems

TITLE OF MASTER'S DISSERTATION*Genetics of Drought Tolerance in Cowpea Genotypes in Uganda.***JOURNAL PUBLICATIONS**

Mwale, S.E., Shimelis, H., Nkhata, W., Sefasi, A., Fandika, I. and Mashilo, J. (2023), "Genotype-by-Environment Interaction in Tepary Bean (*Phaseolus acutifolius* A. Gray) for Seed Yield", *Agronomy*, Vol. 13 No. 1: <https://doi.org/10.3390/agronomy13010012>.

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>.

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.

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>

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>.

Munthali, M., Chiumia, I.K., Mandiwa, C., **Mwale, S.** (2021), "Knowledge and perceptions of preconception care among health workers and women of reproductive age in Mzuzu City, Malawi: A cross-sectional study", *Reprod Health*. Vol. 18 No. 1, pp229. doi: 10.1186/s12978-021-01282-w.

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.v13n11p33>.

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**

- Animal Feed quality and safety
- Animal agriculture value chain development
- Poultry feeds and feeding
- Biodiversity assessments
- Animal reproductive physiology

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 1*, 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.

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

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*, *Entorococcus 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

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. That 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 Rumphu 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. 175-178.

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 Rumphu 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 Re-

search 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 Chokocho, 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; BScORCID id: <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

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*, <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>.

Kayange, C., 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", *Advances in Agriculture*, <https://doi.org/10.1155/2022/2858994>.

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.

Ngonda, F., Mpeketula, P., **Kamanula, J.**, Kamng’onaa, A. and Lampiao, F. (2018), “In Vitro Antioxidant Activities and HPTLC Fingerprint Analysis of five Malawian Medicinal Plants”, *Glob. J. Med. Plants Res.*, Vol. 5 No. 1, pp. 1-8.

Chipinga, J.V., **Kamanula, J.F.**, Bisrael, P. and Moyo, B. (2018), “Efficacy of *Pterocarpus angolensis* crude extracts against *Candida krusei*, *Staphylococcus aureus*, *Streptococcus agalactiae* and *Escherichia coli*”, *Malawi Medical Journal*, Vol. 30 No. 4, pp. 219-224.

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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.

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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.

ELIJAH MALINGA MENARD WANDA, PhD; MSc; BSc

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RESEARCH INTERESTS

- Environmental and Analytical Chemistry
- Chemical/bioremediation of emerging micropollutants
- Material science and membrane research
- Nanotechnology and nanoscientific innovations.
- Green chemistry and chemical technology/innovations

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.

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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.

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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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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.

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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.

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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.

MISSION

To provide education in energy technologies and related socio-economics and innovations for accelerating the diversification of energy resources for domestic, commercial, and public services

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

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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.

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,. <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, <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

Chitawo, M.L., Chimphango, A.F.A. and Peterson, S.O. Systems approach model for sustainable production of bioenergy from primary forest residues from Vipha 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 id: <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, <https://doi.org/10.3390/en14217184>

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.

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, <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 to 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)

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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

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., 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 Power Africa*, 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 solar driven 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.

COLLEN ZALENGERA, PhD; MSc; BSc**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

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. (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

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 Technology (ICT) at Mzuzu University is one of the finest departments at the university and in Malawi with a host of programmes and opportunities at the undergraduate, postgraduate and professional levels. It was established in the year 2005 under the Faculty of Information Science and Communications. The Department now belongs to the Faculty of Science, Technology And Innovation (FoSTI) since 2018 due to a restructuring within the university. The Department was primarily established to reduce the acute shortage of ICT professionals in Malawi by responding to various policies such as the Malawi Growth and Development Strategy (MGDS II), National ICT Policy, and ICT for Development (ICT4D) Policy and Vision 2020. These strategic documents realize that rapid development in all sectors of the economy will require a highly skilled and educated workforce, in particular the application of science, technology and innovation. Globally, ICT is recognized as an essential enabler of the economic development of nations. Therefore, ICT professionals graduating from the programme are relevant in Africa and the world at large.

VISION

To be a premier provider of high-quality education, training, research and outreach in ICT and ICT-related emerging technologies.

MISSION

To lead the advancement of ICT and ICT-related technology through internationally recognized research and education and technology transfer.

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 id: <https://orcid.org/0000-0002-3106-1645>

RESEARCH INTERESTS

- eHealth
- ICT4D
- Internet Applications
- Network Performance

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

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, MSc; BScORCID id: <https://orcid.org/0000-0001-8838-2848>**RESEARCH INTERESTS**

- eHealth
- Education Technology
- Natural Language Processing
- Machine Learning

TITLE OF MASTER'S DISSERTATION*Analyzing Use of Information and Communication Technology in Community Health in Malawi.***JOURNAL PUBLICATIONS**

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.

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 PAPER

Nyasulu, C., Diattara, A., Traore, A., Deme, A., Ba, C. (2023). A Comparative Study of Regressors and Stacked Ensemble Model for Daily Temperature Forecasting: A Case Study of Senegal. In: Ngatched Nkouatchah, T.M., Woungang, I., Tapamo, JR., Viriri, S. (eds) Pan-African Artificial Intelligence and Smart Systems. PAAISS 2022. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Springer, Cham. Vol 459. pp 61-77

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.

Nyasulu, C., Diattara, A., Traore, A., Deme, A., Ba, C. (2023). Exploring Use of Machine Learning Regressors for Daily Rainfall Prediction in the Sahel Region: A Case Study of Matam, Senegal. In: Ngatched Nkouatchah, T.M., Woungang, I., Tapamo, JR., Viriri, S. (eds) Pan-African Artificial Intelligence and Smart Systems. PAAISS 2022. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Springer, Cham. Vol 459. pp. 78 –92.

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 Less Than.

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 Post-traumatic 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 id: 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 $qn - 1$.

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

ORCID id: <https://orcid.org/0000-0002-4869-0149>

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; B Ed.

ORCID id: <http://orcid.org/00000001-9970-3707>

RESEARCH INTERESTS

- Infectious and non-infectious disease modelling,
- 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)

ORCID id: <https://orcid.org/0000-0002-3362-3955>

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 $\Gamma(2k, k, k + 1, 1)$,” *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 id: <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 $2n+1$.

JOURNAL ARTICLES

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 $2n+1$ ”, *Open Journal of Discrete Applied Mathematics*, Vol. 2 No.1, pp. 1 - 13.

Musukwa, A. (2018), “Counting extended irreducible binary Goppa codes of degree $2p$ and length $2n+1$ ”, *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

VISION

A provider of academically and professionally sound physicists in Malawi and elsewhere.

MISSION

To provide teaching, research, consultancy and outreach services in physics and related disciplines.

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)

ORCID id: <https://orcid.org/0000-0002-8674-6107>

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 grid connected 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

Chalembe, 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.

Chalembe, 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.

Chalembe, 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.

Chalembe, 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

ORCID id: <https://orcid.org/0000-0002-8575-3938>

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.

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

Our vision is 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 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 the 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, 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 id: <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.

ORCID id: <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 THESIS

Assessing Determinants of Consumer Perceptions of Service Quality, its Improvement and Image in Malawian Lodges: Focusing on Employees' Expectations and Perceptions

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.

JOURNAL PUBLICATIONS

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*, 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.

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 (ASAUUK)/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.

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 enters 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 to the industry with the 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; Cert. GDS

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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 to 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 to 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: 9 – 12 July, 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 to 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 to 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 to 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 to 22 July, 2016.

GRACE KAMANGA, MSc; BScORCID id: <https://orcid.org/0000-0002-2381-6059>**RESEARCH INTERESTS**

- Destination management
- Sustainable tourism
- Tourism and education
- Tourism marketing
- Tourism security

TITLE OF MASTER'S DISSERTATION*Corporate Social Responsibility Practices in The Tourism Industry in Malawi.***BOOK CHAPTER PUBLICATIONS**

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.

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

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 to 28 June, 2019.

ZANDIVUTA KANKHUNI, PhD; CHIA; MMgt; BSc.

ORCID id: 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, 27 to 28 October, 2020.

CECILIA NDAMIWE NGWIRA, PhD, M.Mgt, BSc.

ORCID id: <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 THESIS

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>.

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.

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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.

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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.

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). Some of the core activities undertaken by the LLRC include delivering information literacy sessions to its clients, assisting in literature searches of staff and students, advising on appropriate and ethical citation of information sources used, among others. The LLRC staff also undertake consultancies related to the setting up of new libraries and information centres, and carry out library visits as part of its 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 belongs 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 output in terms of technical reports, conference and seminar papers, journal articles, books and book chapters. Much of the research output attributed to the 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 output of LLRC staff are presented below.

AUBREY HARVEY CHAPUTULA, PhD; MLIS; BA (Ed)

ORCID id: <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 Collections in Malawi: A Case of Chancellor College Library.

JOURNAL PUBLICATIONS

Mapulanga, P., Chisoni, F. and **Chaputula, A.** (2023), "Information literacy skills and competencies of nursing students at Kamuzu University of health Sciences in Malawi", *South African Journal of Library and Information Science*, Vol. 89 No. 1.

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*, DOI: <https://doi.org/10.7553/88-1-1917>.

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.

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 Mutula, S. (2018), "Provision of library and information services through mobile phones in public university libraries in Malawi", *Global Knowledge, Memory and Communication*, Vol. 67 No. 1/2, pp. 52-69.

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, pp. 270-288.

Chaputula, A.H. and Mapulanga, P.M. (2017), “Provision of library services to people with disabilities in Malawi,” *South African Journal of Libraries and Information Science*, Vol. 82, No. 2, pp. 1 – 10.

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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.

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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

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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.

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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

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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 Scecsal 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.

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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

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.

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RESEARCH INTERESTS

- Digital Library Management
- Open Access
- Social Media
- Library Disaster Management

TITLE OF MASTER'S DISSERTATION

Implementation of Digital Libraries: Case of Bunda College of Agriculture Library.

JOURNAL PUBLICATIONS

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Central and Southern Africa Library and Information Associations held in Entebbe, Uganda from 23-27 April 2018.

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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.

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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 Zimbabwe University Libraries Consortium (ZULC) 4th Biennial Conference held in Zimbabwe, 27th to 29th March, 2019.

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