

RUAHA CATHOLIC UNIVERSITY

RESEARCH AND COMMUNITY SERVICES UNDERTAKING DURING ACADEMIC YEAR 2024/2025

A: BOOKS

Gabriel, F. (2025). A History of East Africa: Selected Issues from Pre-Colonial to Post-Colonial Epochs. Galda Verlag. <https://www.galda-verlag.de/product/deutsche-herrschaft-und-soziookonomische-strukturen-in-tanzania>

B: BOOK CHAPTERS

Ndekwa, A.G. (2024). Enhancing Marketing Knowledge Creation Through Social Media Use in Developing Countries' Organizations During COVID-19 Era: Experience from Tanzania. In: Valeri, M. (eds) Managerial Perceptions. Contributions to Management Science. Springer, Cham. https://doi.org/10.1007/978-3-031-67849-3_11

Ndekwa, A.G. & Kalugendo, E.J. (2024). Social Media Use and Organization Knowledge Sharing: Marketization of Innovation Ideas. In: Valeri, M. (eds) Managerial Perceptions. Contributions to Management Science. Springer, Cham. https://doi.org/10.1007/978-3-031-67849-3_2

C: JOURNAL ARTICLES

Ameir, H. P., & Magwe, E. A. (2025). Factors Impacting Knowledge of Voluntary Blood Donation among Adult Residents of Mwanakwerekwe Ward in Zanzibar, Tanzania: Insights from a Community Survey. *Afro-Egyptian Journal of Infectious and Endemic Diseases*, 15(1):26-35. <https://doi.org/10.21608/aeji.2024.326699.1420>

Ameir, H. P., & Magwe, E. A. (2025). Attitudes, Prevalence and Barriers towards Voluntary Blood Donation among Residents of the Western Urban Region, Zanzibar, Tanzania. *Afro-Egyptian Journal of Infectious and Endemic Diseases*.10(1), 23-31. DOI: https://doi.org/10.26463/rnjph.10_1_7

Adedokun, K. A., Adekola, S. A., Tajudeen, A., Bello-Ibiyemi, A. A., Babandina, M. M., Magwe, E. A., & Bello, A. (2025). Rising global threat of human metapneumovirus (hMPV in 2024/2025): pathogenesis, immune dynamics, vulnerabilities in immunocompromised individuals, and lessons from past pandemics. *Journal of Rare Diseases*.4(1),1-20. DOI: <https://doi.org/10.1007/s44162-025-00079-w>

Edgar,T., Damas,J. & Abdalla, A. T. (2025).Analysis of Non-Homogenous Multiple Target Sparse Reconstruction in Through-the-Wall Radar Imaging with Path-Loss Compensation. in *Proc. German Microwave Conference (GeMiC)*, Dresden, Germany, 58

- Gabriel F.W. (2025). Kilwa Archipelago: The Hub of East African Coastal Heritage and Swahili Civilization: *International Journal of Recent Advances in Multidisciplinary Topics*. 6(2).
- Kavenuke, R. (2025). The Future of Financial Access: Blockchain's Impact on Banking the Unbanked in Iringa Municipal. *International Journal of Academic Accounting, Finance & Management Research*. 9(2), 160-170
- Kavenuke, R. (2025). The Future of Accounting: How IT is Revolutionizing the Industry in Iringa Municipal. *International Journal of Academic Accounting, Finance & Management Research*. 9(2), 54-66
- Kabugumila, M. S. and Ndekwa, A. G. (2024). Technological Innovation and Performance of Third Party Logistic Firms in Tanzania. *East African Journal of Management and Business Studies*. 4(4), 8-16. DOI: <https://doi.org/10.46606/eajmbs2024v04i04.0062>.
- Komba, N. A., Haisong, C., Benno, B. & Mwakipunda, G. C. (2025). A comprehensive review on compressed air energy storage in geological formation: Experiments, simulations, and field applications. *Journal of Energy Storage*. 114(1). <https://doi.org/10.1016/j.est.2025.115795>
- Kibona, L. (2024). IT-Enabled Innovations in Marketing: From Social Media to Customer Insights in Iringa Municipal, Tanzania, *Int. J. Recent Engineering Sci.*, 11(6), 108-121. DOI: 10.14445/23497157/IJRES-V11I6P110.
- Kibona, L. (2024). Blockchain and Consumer Data: How Decentralization is Reshaping Marketing Strategies in Iringa Municipal, Tanzania. *Int. J. Recent Engineering Sci.*, 11(6), 122-141. DOI: 10.14445/23497157/IJRES-V11I6P113.
- Kibona, L. (2024). Profit Meets Purpose: How Blockchain is Transforming Sustainable Digital Entrepreneurship in Iringa Municipal, Tanzania. *Int. J. Recent Engineering Sci.*, 11(6), 176-190, DOI: 10.14445/23497157/IJRES-V11I6P115.
- Lambert, M., Mmassy, J., Kabissi, S., Benizeth, C., Baltazary, G., Maganda, B. A., & Taxis, K. (2025). Lessons from the field: implementing pharmacy services in the Tanzanian hospital setting. *International Health. Advance Access Publication*. 9(9), 4(1), DOI: <https://doi.org/10.1093/inthealth/ihaf079>
- Lubis, D., Fitriani, R., Bulayi, M., Ade, J. & Allahverdie, K. (2025) Optimizing Traffic Light Timing Using Graph Theory: A Case Study of Urban Intersections. *Indonesian Journal of Mathematical Education*. 2(2), 149-163. DOI: 10.37251/ijome. v2i2.1361

- Magwe, E. A. (2025). Prevalence and Factors Associated with High Blood Pressure Among Pregnant Women Attending Antenatal Care in Iringa Municipality, Tanzania. *Zagazig University Medical Journal*, 31(2), 876-886. <https://doi.org/10.21608/zumj.2024.341005.3714>
- Magwe, E. A. (2025). Water, Sanitation and Hygiene (WASH) Practices among Rural and Urban School Students in Iringa, Tanzania. *Zagazig University Medical Journal*, 31(1), 435-445. <https://doi.org/10.21608/zumj.2024.339646.3704>
- Magwe, E. A. (2025). Economic Challenges in Tanzanian Healthcare Facilities and Their Impact on PPE Availability During the COVID-19 Pandemic: A Qualitative Analysis. *Zagazig University Medical Journal*, 31(1), 427-434. <https://doi.org/10.21608/zumj.2024.333780.3677>
- Magwe, E. A. (2025). Iron Deficiency Anaemia in Pregnant Women: Prevalence, Severity, and Predictors in Iringa Municipality Tanzania. *Egyptian Journal of Nutrition*, 40(1), 1-13. <https://doi.org/10.21608/enj.2025.415860>
- Magwe, E. A. (2025). Evaluating Food Safety Knowledge: A Multi-institutional Survey among Tanzanian University Students. *Egyptian Journal of Nutrition*, 40(1), 48-61. <https://doi.org/10.21608/enj.2025.350468.1086>
- Magwe, E. A. (2025). Prevalence and Effects of Waterborne Illnesses among Students in Rural and Urban Schools in Iringa, Tanzania: A Comparative Study. *Sohag Medical Journal*, 29(1), 84-94. <https://doi.org/10.21608/smj.2025.336530.1512>
- Magwe, E. A. (2025). Rural-Urban Disparities in Water, Sanitation, and Hygiene (WASH) Infrastructure in Primary and Secondary Schools: A Case of Iringa Region, Tanzania. *Afro-Egyptian Journal of Infectious and Endemic Diseases*, 15(1), 36-47. <https://doi.org/10.21608/aeji.2024.335372.1427>
- Magwe, E. A. (2024). Knowledge of Food Safety and Handling Practices among Food Handlers in University Communities. *Egyptian Journal of Nutrition*, 39(4), 106-118. <https://doi.org/10.21608/enj.2024.407046>
- Magwe, E. A. (2024). Attitudes Toward Water, Sanitation, and Hygiene (WASH) Among Rural and Urban Students in Iringa Region, Tanzania. *AlQalam Journal of Medical and Applied Sciences*, 7(4), 1447-1457. <https://doi.org/10.54361/ajmas.247475>
- Magwe, E. A. (2024). Political and Religious Impacts on COVID-19 Responses in Tanzanian Healthcare Facilities: A Qualitative Cross-Sectional Survey. *AlQalam Journal of Medical and Applied Sciences*, 7(4), 1473-1481. <https://doi.org/10.54361/ajmas.247478>

- Magwe, E. A. (2024). Effectiveness of Communication and Compliance with WHO and Ministry of Health COVID-19 Guidelines in Tanzanian Healthcare Facilities. *The Nigerian Health Journal*, 24(4), 1753-1761. <https://doi.org/10.60787/tnhj.v24i4.927>
- Magwe, E. A. (2025). Prevalence and Determinants of HIV Infections among Pregnant Women Attending Antenatal Clinics in Iringa Municipality, Tanzania. *Afro-Egyptian Journal of Infectious and Endemic Diseases*.15(2), 169-178. DOI: <https://doi.org/10.21608/aeji.2025.344033.1439>
- Mtindya, K. J., Kilimhana, S., L., & Kibona, L. (2024). The Role of Savings and Credit Groups in Promoting Financial Inclusion and Savings Among The Low- Income Households in Tanzania: A Case of Women Vendor in Iringa Municipal. *International Journal of Academic Accounting, Finance & Management Research*. 3(7), 55- 61
- Mwakisunga, B. & Bhagwanj, P. H. (2025). Sediment toxicity on the survival of *Capitella capitata* (Fabricius, 1780) and early life stages of *Echnometra mathaei* (Blainville, 1825) in Dar es Salaam coastal marine waters, Western Indian Ocean. *Journal of Aquatic Research and Sustainability*. 2 (1), 23-30. doi: <https://doi.org/10.69517/jars.2025.02.01.0004>
- Mwigeka, S. (2025). Do budget deficits benefit or harm economic growth? Evidence from African countries using a threshold analysis. *Economic Structures* . <https://doi.org/10.1186/s40008-025-00369-y>
- Mwigeka, S. (2025). Dynamic link between budget deficits and unemployment: evidence from selected African countries. *Cogent Social Sciences*. <https://doi.org/10.1080/23311886.2025.2553881>
- Nahonyo, R & Mosoma, D (2025). Factors Influencing Loan Defaults in Tanzania: A Case Study of CRDB, NMB, TPB, and EXIM in Iringa Municipality. *International Journal of Research and Innovation in Social Science*.9(7), 1522- 1530, DOI: <https://dx.doi.org/10.47772/IJRISS.2025.907000125>
- Nyoni, K. Z. & Rutalamulwa V. E. (2024). Pedagogical perspectives of Utu: Reclaiming primacy of African values for Moral-ethical for youth development in Tanzania. *International journal of Multidisciplinary Research*. 6 (6),1-8.
- Sanga, F. (2024). Empowering Community-Based Forest Management for the Sustainability of community forests in Tanzania. *Ghana Journal of Geography*. 16(4), 24-30

- Sanga, F. & Haule, E. (2024). The Paradox of the Land Use/Land cover change in Kipengere Ranges in Southern Highlands of Tanzania. *Geology, Ecology, and Landscapes*, 8 (4), 1507-1514. <https://doi.org/10.1080/24749508.2024.2429206>
- Sanga, F. & Haule, E. (2025). Culture and sacred forests in the Contemporary world: Experience from Southern Highlands of Tanzania. *Human Arenas*. <https://doi.org/10.1007/s42087-025-00480-3>
- Haulle, E. & Sanga, F. (2025). Indigenous knowledge in water resource management in Mtwara region-Ruvuma water basin, Southern Tanzania. *African Journal of Science, Technology, Innovation and Development*. <https://doi.org/10.1080/20421338.2025.2581396>
- Sanga F. (2025). Integrating Environmental Education in Social Studies Textbooks for Primary Education in Tanzania. *Ruaha Journal of Arts and Social Sciences*.9(2). DOI: <https://doi.org/10.63362/RUJW>
- Sanga,F.(2024).Enhancing fertility preference through contraception in Southern Highlands of Tanzania. *African Social Science and Humanities Journal*. 5(2), 145-159, <https://dx.doi.org/10.4314/asshj.v5i2.4>
- Sanga F. (2025). Management and Sustainability of Sacred Landscapes in the Phase of Modernization in Livingstone Ranges, Southwest Tanzania. *Geo-Journal*. 9(4). DOI:[10.1007/s10708-025-11402-9](https://doi.org/10.1007/s10708-025-11402-9)
- Sanga ,F. (2025). From Resource Blessing to Ecological Burden: Mining and Environmental Costs in Northern Tanzania. *Journal of Environment and Biological Science*.1(2), 1-7
- Siri, L, & Gabriel, F. (2026) Limbo in Lindi: Liquefied Natural Gas, Local Content and Community Displacement in Tanzania. *The Extractive Industries and Society*. 1 - 12 [https://authors.elsevier.com/sd/article/S2214-790X\(25\)00202-3](https://authors.elsevier.com/sd/article/S2214-790X(25)00202-3)
- Tunyishimire, L. , Mlaga, W. & Ntawigira, P.(2025).Teaching Critical Thinking Skills in Rwandan Secondary Schools:Challenge and Practical Solutions. *Cogent Education*.12(1). <https://doi.org/10.1080/2331186X.2025.2562349>
- Tweve, Y. & Masalu, G., R. (2024). Barriers and Opportunities for Green Entrepreneurship in Emerging Economies: A Case Study of Kilolo District, Tanzania, *International Journal of Recent Engineering Science*. 11(6), 249-259
- Tweve, Y. (2024). Balancing People, Profit, and Planet: Sustainable Entrepreneurship Practices for Social, Economic, and Environmental Impact in Developing Economies. A Case Study of Iringa, Tanzania, *SSRG International Journal of Recent Engineering Science*, 11 (6), 63-79.

Tweve, Y. (2024). Entrepreneurial Ecosystems: The Role of the Triple Helix in Driving Startups and innovations in Southern Highlands Region, Tanzania. *International Journal of Academic Management Science Research*, 8 (9), 120-140.

Tweve, Y.(2024). The Impact of Information Technologies on Shaping Contemporary Entrepreneurship: A Case Study of Iringa Municipal. *International Journal of Academic Management Science Research*.8(7), 107-125

C: COMMUNITY SERVICES

Project titled: Teacher Professional Development at Scale: Leveraging Teachers' Perspectives for Success. This project is funded by The Finnish National Agency for Education (EDUFI) and is made up of consortium of four institutions namely: HELVETAS Swiss Inter cooperation (HELVETAS), the University of Bern (UniBe), the University of Zambia (UNZA), and Ruaha Catholic University (RUCU). The project started May 2025 and will end 2026.

Project Title: Co-Producing Knowledge On Sustainable Growth through Service Learning Pedagogy between African and European HEIs (COPAFEU). This project is funded by ERASMOSS and comprises two HEIs from program countries (Finland: Hanken School of Economics and Greece: University of Peloponnese) and eight HEIs from project countries (Tanzania: University of Dar Es Salaam and Ruaha Catholic University, Ethiopia: Haramaya University and Mattu University, Nigeria: University of Ibadan and Federal University of Agriculture Abeokuta, South Africa: University of the Free State and Cape Peninsula University of Technology).The Project started April 2024 and Will end on March 2027.