



2nd Quarter 2026 List Of Publications

NDATA SCHOOL OF CLIMATE AND EARTH SCIENCES (NSCES)

30 JUNE 2026

Q1 PUBLICATIONS

1. Baloyi, J. F., **Mtewa, T. K.**, Chipeta, J. C., & Vellemu, E. C. (2026). *Macroinvertebrate community responses to Pteridium aquilinum spread in an Afromontane river ecosystem: a case study of the Mulanje Mountain Forest Reserve in Malawi*. *Transactions of the Royal Society of South Africa*, 1–12. <https://doi.org/10.1080/0035919X.2026.2646856>
1. **Nyengere J**, Tchuwa F, **Tholo HM**, Njala AL, **Malalu L**, **Chisenga C**, Nalivata P, Mwase W, Kathewera M, Matewera B, Jamu L, Kanjira J, Chabwera M, Kachamba DJ, Jamali A, Musekiwa T, Nyirenda C, Barker A, Masuku P and Mwangwela A (2026) *Land use and land cover dynamics and its implications for agrifood systems among smallholder farmers in central Malawi*. *Front. Sustain. Food Syst.* 10:1789367.<https://doi.org/10.3389/fsufs.2026.178936>
2. **Tchuwa, I., Katonda, V., Gondwe, S., & Nthara, T.** (2026). *Towards a framework for loss and damage programming: insights from Malawi*. *Disasters*, 50(2), e70051. <https://doi.org/10.1111/disa.70051>
3. Manda, B., Yan, J., Saibi, H., Amrouche, M., & **Chisenga, C.** (2026). *Subsurface Density Structure of the Orientale Basin Revealed by 3D Gravity Inversion of GRAIL Data*. *Geophysical Journal International*. <https://doi.org/10.1093/GJI/GGAG123>
4. **Mazibuko, H., Chisenga, C.**, Kadewa, W., **Tchuwa, I., Chinkaka, E.**, Njala, A. L., Mwase, W., Masuku, P., Mkweu, W., Vallent, T. F., **Mvula, R. L. S., Tholo, HM., & Nyengere, J.** (2026). *Optimizing landfill siting in Lilongwe City through integration of geospatial analysis and community perspectives*. *Discover Environment*, 4, 99. <https://doi.org/10.1007/s44274-026-00630-6>
5. **Nyengere, J.**, Mzumara, T., **Tholo, HM.**, Njala, A. L., **Chisenga, C.**, Nindi-Chigwe, T., Mwase, W., Mataka, S., Abdulrahman, O. L., Falola-Olasunkanmi, J. A., Wainaina, R. W., Ndosoi, J., Fanyin-Martin, A., Tham-Agyekum, E. K., Kapinga, A., Lefadola, B. P., Shamala, L. F., Ndimbo, G. K., Cheboi, J. J., Chisale, M., & Masuku, P. (2026). *Beyond the bottle: Factors affecting adoption of liquid urine fertilizer among smallholder farmers in Southern Malawi*. *Frontiers in Sustainable Food Systems*, 9, 1736709. <https://doi.org/10.3389/fsufs.2025.1736709>
6. **Nyengere, J.**, Chisambi, C. M., Funakawa, S., & Shinjo, H. (2026). *Effect of soil texture on maize response to urine application in Northern Malawi*. *CLEAN – Soil, Air, Water*, 54, e70117. <https://doi.org/10.1002/clen.70117>
7. Chabwera, M., Fatch, P., Nkhata, S. G., Munthali, J., Ndovie, P., Kanjira, J., **Nyengere, J.**, & Masamba, K. (2026). *Addressing sweetpotato oversupply using data-driven tools for livelihoods improvement in Malawi: A systematic review*. *Frontiers in Sustainable Food Systems*, 10, 1734840. <https://doi.org/10.3389/fsufs.2026.1734840>
8. **Nyengere, J.**, Mbewe, W., **Malalu, L., Tholo, HM.**, Njala, A. L., Sembo, T., Kumpolota, S. W., **Mvula, R. L., Chisenga, C.**, Kanyika-Mbewe, C., Maluwa, A., & Eregno, F. E. (2026). *Geospatial modelling for zoonotic disease hotspot identification within a One Health framework: A systematic review*. *One Health Outlook*, 8, 7. <https://doi.org/10.1186/s42522-026-00194-8>
9. Manda, B., Yan, J.G., Dulanya, Z., **Chisenga, C.**, (2026). *The Lower Shire Karoo Basin architecture using 3-D gravity inversion modelling*. *Journal of African Earth Sciences*, 238, 106075, <https://doi.org/10.1016/j.jafrearsci.2026.106075>
10. Liu, N., Yan, J.G., **Chisenga, C.**, Saibi, H., Qiu, D., Manda, B., Jean-Pierre Barriot, (2026) *The 3D subsurface structures of the Atlas impact crater revealed by GRAIL gravity data*, *Icarus*, 450, 116976., <https://doi.org/10.1016/j.icarus.2026.116976>

11. Runze Fu, Jianguo Yan, Denggao Qiu, **Chikondi Chisenga**, Hakim Saibi (2026) *Enhancing the identification of impact-induced ring and radial geological structures around lunar multi ring basins from GRAIL data*, Journal of Geophysical Research: Planets, 131, 3, e2025JE009256. <https://doi.org/10.1029/2025JE009256>
12. Deleza M, Chigwechokha P, Mwale P, Mthirakuwiri L, Mwantoma W, Nkunica B, Batani S, Redson C, **Njalam'mano J, Taulo J**, Kadewa W, Maluwa A, Kainga H. (2025) *Antimicrobial Susceptibility of Escherichia coli, Klebsiella pneumoniae, and Enterococcus species and the Associated Risk Factors in Poultry Farms in Blantyre City: A Wake-up Call to the One Health Approach*. BMC Vet Res. 23;22(1):73. <https://doi:10.1186/s12917-025-05189-7>
13. **Hope Baxter Chamdimba**, Wongani langa, **Austin Nyirenda**, Ronald Trensio Dama, **John Taulo** (2026). *Transitioning beyond basic energy access: Opportunities and constraints for renewable energy-driven productive use in Malawi*. Renewable Energies 2026. Vol.4 (1);1-20. <https://doi.org/10.1177/27533735261431075>
14. **Mvula, R. L. S., Chinkaka, E., Katonda, V., Tchongwe, W., Kachedwa, L., Njalam'mano, J., Kadewa, W., Eregno, F. E.** (In press). *Spatio-temporal epidemiology of intestinal infectious diseases in Blantyre District, Malawi*. Geospatial Health.

Q2 PUBLICATIONS

15. **Majamanda, J., Mtewa, A.,** Madanitsa, M., & Gowelo, S. (2026). Disease Trends and Reassessment of Knowledge, Attitudes, and Practices of Stakeholders in Trypanosomiasis-Prone Areas of Malawi: A One Health Perspective. *Malaysian Journal of Medical Research (MJMR)*, 10(1), 10–24. <https://doi.org/10.31674/MJMR.2026.V010I01.002>
16. Manda, B., Yan, J., & **Chisenga, C.** (2026). Subsurface geometry beneath the Rima Bode region unveils sources of multiple lunar volcanism. *Icarus*, 117082. <https://doi.org/10.1016/J.ICARUS.2026.117082>
17. **Tholo, H. M., Nyengere, J., Chisenga, C., Chinkaka, E.,** Mwase, W., Kachamba, D., Gawa, T., & **Tchuwa, I.** (2026). Modelling and prediction of land use and land cover change using machine learning in the Michiru Forest Reserve, Southern Malawi. *Discover Environment*, 4(1), 41. <https://doi.org/10.1007/s44274-026-00542-5>
18. **Banda, Y. M., Nyengere, J., Saka, K., Tholo, H., Chisenga, C., Njalam'Mano, J.,** Kamanga, B. N., Gondwe, S., Mtewa, A. G., Abraham, A., Kachedwa, L., Chirombo, J., Nguvulu, A., Chinkaka, E., Kadewa, W., & Mvula, R. L. S. (2026). Mapping malaria risk using geospatial and AHP approaches in Nsanje District, Malawi. *Epidemiology & Infection*, 154, e76. <https://doi.org/10.1017/S0950268826101678>
19. **Nyengere J, Tchuwa F, Tholo HM, Malalu L,** Njala AL, **Kachulu P,** Maganga R, Matewera B, Jamu L, Nyirenda C, Kanjira J, Chabwera M, Nalivata P, Mwase W and Mwangwela A (2026) Maize yield prediction using machine learning: a systematic literature review. *Front. Artif. Intell.* 9:1735157. [doi: 10.3389/frai.2026.1735157](https://doi.org/10.3389/frai.2026.1735157)
20. **Kachulu, P., Nyengere, J., Gondwe, S., Tholo, H. M., Chinkaka, E.,** Gawa, T. M., & **Chisenga, C.** Spatiotemporal patterns of human wildlife conflict around Kasungu National Park, Malawi. *Discov Environ* 4, 180(2026). <https://doi.org/10.1007/s44274-026-00687-3>
21. Naphiyo, J. M., Kamwana, B., Thebulo, C. D., Zheng, S., & **Nyengere, J.** (2026). From awareness to readiness: a systematic review of AI readiness in Sub-Saharan African higher education and its implications for entrepreneurship. *Cogent Education*, 13(1). <https://doi.org/10.1080/2331186X.2026.2674402>
22. **Lemson Kachedwa, Steve Gondwe, Richard Mvula,** Emmanuel Vellemu; Integrating GIS, multivariate statistical techniques, and Water Quality Index for urban water quality assessment: a case study of Blantyre, Malawi. *Journal of Water, Sanitation and Hygiene for Development* 2026; washdev2026004. doi: <https://doi.org/10.2166/washdev.2026.004>
23. **Chikalamo, E. E.,** Mavrouli, O. C., & Lollino, P. (2026). Reservoir Basin-Scale Landslide Susceptibility Assessment by Machine Learning Techniques : A Case Study of San Pietro Dam, Southern Italy. *Geosciences*, 16(153), 1–24. <https://doi.org/https://doi.org/10.3390/geosciences16040153>

CONFERENCES

1. **Nyengere, J.** (2026, March 11–12). Beyond the bottle: factors affecting adoption of liquid urine fertilizer among smallholder farmers in Southern Malawi. 9th School of Social Sciences International Conference, Cedi Conference Centre, University of Ghana, Legon, Accra, Ghana.
2. Kochersberger, K., Muthukrishnan, S., Mkuwu, N., **Chisenga, C.**, & Scheibenreif, M. (2026). The African Drone and Data Academy: Malawi's talent pipeline. In Proceedings of the 2nd International Conference on Drones and Unmanned Systems (DAUS' 2026) (p. 179). Salzburg, Austria.
3. **Chinkaka, E** (2026). The Political Ecologies of Namibia's Lithium Mining: Revealing Multistakeholder and Host-Community Perceptions and Extractive Tension. International Conference on the Political Economy of [Just] Energy Transitions and Inequality in Africa. Accra, Ghana. 30-31 March 2026 at the Center for Social Policy Studies, University of Ghana.

THANK YOU
