Prof. Ishmael Yaw Dadson

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RESEARCH

Areas: Global and Planetary Change · Management, Monitoring, Policy and Law · Earth-Surface Processes · Pollution · Water Science and Technology · Atmospheric Science

RESEARCH SUMMARY

22	134	7	5	1.19	14%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 22 publications listed below, 2016–2026. Field-weighted impact is the mean over the 22 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 22 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer 2020–present
Department of Geography Education, University of Education Winneba, Winneba, Ghana

EDUCATION AND QUALIFICATIONS

Dr 2010–2015
Geography and Regional Planning, University of Cape Coast, Cape Coast, Ghana

DISTINCTIONS, MEMBERSHIPS AND SERVICE

Member 2004–present
Ghana Geographers Association, Accra, Ghana

PUBLICATIONS

Journal articles 21

1. Angela Bema Opoku, **Ishmael Yaw Dadson**, Millicent Obeng Addai (2026). Implications of sand mining for soil chemical characteristics in Buoku, Ghana. *International journal of applied research*. https://doi.org/10.22271/allresearch.2026.v12.i7c.13882
2. Francis Quayson, Xiaoli Ding, Mahmoud Abdallah, **Ishmael Yaw Dadson**, Kofi Adu-Boahen, Yaw Asamoah (2026). Integrated assessment of environmental pressure in Ghana coastal wetlands using climate remote sensing and socioeconomic data. *Discover Sustainability*. https://doi.org/10.1007/s43621-026-04360-w
3. Francis Quayson, Xiaoli Ding, **Ishmael Yaw Dadson** (2026). Satellite-based assessment of hydro-climatic extremes and integrated risk in the Niger River Basin. *Environmental Challenges*. https://doi.org/10.1016/j.envc.2026.101584
4. Francis Quayson, Xiaoli Ding, **Ishmael Yaw Dadson** (2026). Spatiotemporal Evaluation and Uncertainty Assessment of Multi-Source Evapotranspiration Products Across Hong Kong: Implications for Mai Po Wetland Water-Balance Monitoring. *Water*. https://doi.org/10.3390/w18151897
5. John Amoah-Nuamah, Bismark Mensah, Clarke Ebow Yalley, **Ishmael Yaw Dadson**, Emmanuel Yeboah Okyere (2025). Examining the role of senior high school geography teachers in fostering environmental sustainability: educational philosophies, challenges, and innovative practices. *Discover Education*. https://doi.org/10.1007/s44217-025-00618-z

6. Gameli Agbleze Jnr, **Ishmael Yaw Dadson**, Yaw Asamoah (2025). Spatio-temporal analysis of shoreline movements along the coast from Keta to Kedzi in the Volta Region-Ghana. *Global Journal of Earth and Environmental Science*. https://doi.org/10.31248/gjees2024.173

7. **Ishmael Yaw Dadson**, Peace Semabia Panou, Kofi Adu-Boahen (2024). Sediments Composition and Morphology of the Fosu Lagoon Barrier Beach, Bakaano, Cape Coast, Ghana. *Ghana Journal of Geography*. https://doi.org/10.4314/gjg.v16i1.4

8. Emmanuel Yeboah Okyere, Kofi Adu-Boahen, Isaac Boateng, **Ishmael Yaw Dadson**, Nelson Yeboah Boanu, Sender Kyeremeh (2023). Analysis of ecological health status of the Muni Lagoon: Evidence from heavy metal content in its water and fish samples. *Geo Geography and Environment*. https://doi.org/10.1002/geo2.115

9. Alex Barimah Owusu, Kofi Adu-Boahen, **Ishmael Yaw Dadson** (2023). Institutional arrangement for mitigating and adapting to climate change-related flood risk in Greater Accra Metropolitan Area (GAMA). *City and Environment Interactions*. https://doi.org/10.1016/j.cacint.2023.100129

10. Alex Barimah Owusu, **Ishmael Yaw Dadson**, Kofi Adu-Boahen, Adam Osman (2023). Local's perception and coping strategies to flood risks in the coastal zone of the Accra Metropolitan Area, Ghana. *SN Social Sciences*. https://doi.org/10.1007/s43545-023-00681-z

11. Aninakwah Isaac, Kofi Adu- Boahen, **Ishmael Yaw Dadson** (2023). Spatio-Temporal Shoreline Movement of the Afram River in Ghana: The Application of Endpoint Rate and Net Shoreline Movement. *Journal of Social Science (JoSS)*. https://doi.org/10.57185/joss.v2i7.97

12. Nelson Yeboah Boanu, **Ishmael Yaw Dadson**, Kofi Adu-Boahen, Emmanuel Okyere Yeboah (2022). Assessment of the Physico-chemical Properties in the Muni-Pomadze Ramsar Site and its Catchment in Winneba, Ghana. *Environmental Protection Research*. https://doi.org/10.37256/epr.222022786

13. Adams Osman, David Oscar Yawson, Simon Mariwah, **Ishmael Yaw Dadson** (2022). Towards a concrete landscape: Assessing the efficiency of land consumption in the Greater Accra Region, Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0269120

14. **Ishmael Yaw Dadson** (2021). Spatio-Temporal Analysis of Shoreline Movements along the Coastal Stretch from Bortianor to Winneba, Ghana. *Journal of environment and earth science*. https://doi.org/10.7176/jees/11-1-04

15. Ezekiel Addison Otoo, Yaw Asamoah, George Boateng, **Ishmael Yaw Dadson** (2021). Spatio-Temporal Geomorphic Landscape Dynamics and Possible Geological Hazards in Ghana. *International Journal of Research and Innovation in Social Science*. https://doi.org/10.47772/ijriss.2021.51213

16. Kofi Adu-Boahen, **Ishmael Yaw Dadson**, Dominic Kwaku Danso Mensah, Sender Kyeremeh (2020). Mapping ecological impact of microplastics on freshwater habitat in the central region of Ghana: a case study of River Akora. *GeoJournal*. https://doi.org/10.1007/s10708-020-10273-6

17. **Ishmael Yaw Dadson**, Bismark Mensah, Ellen Kwarteng, Samuel Owusu (2020). Seasonal Rainfall Variability and Arable Farming within the Dry Equatorial: Evidence from the Effutu Municipality. *Journal of Bio-agriculture*. https://doi.org/10.37256/jba.112021501

18. Kofi Adu-Boahen, **Ishmael Yaw Dadson**, Mohamadu Akugre Halidu (2019). Climatic Variability and Food Crop Production in the Bawku West District of the Upper East Region of Ghana. *Ghana Journal of Geography*.

19. **Ishmael Yaw Dadson**, Kofi Adu-Boahen, Benjamin Kofi Nyarko (2018). The Morphological Classification and Protection of The Central Coastline: Implications for Coastal Erosion Management in Ghana. *SOCIALSCI JOURNAL*.

20. **Ishmael Yaw Dadson**, Alex Barimah Owusu, Osman Adams (2016). Analysis of Shoreline Change along Cape Coast-Sekondi Coast, Ghana. *Geography Journal*. https://doi.org/10.1155/2016/1868936

21. **Ishmael Yaw Dadson** (2016). Land Use and Land Cover Change Analysis along the Coastal Regions of Cape Coast and Sekondi. *Ghana Journal of Geography*.

Book chapters 1

1. Kofi Adu-Boahen, **Ishmael Yaw Dadson**, Faustina Ankomah, Sender Kyeremeh (2022). Assessment of Community Participation in Water Governance in the Wassa Amenfi East District of the Western Region, Ghana. *Advances in geographical and environmental sciences*. https://doi.org/10.1007/978-981-16-6573-8_4