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RESEARCH

Interests	Geomorphology and Oceanograpgy · Physical geography · Environmental Related Issues
Areas	Global and Planetary Change · Management, Monitoring, Policy and Law · Ecology · Pollution · Sociology and Political Science · Urban Studies

RESEARCH SUMMARY

60	677	14	19	1.68	19%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 60 publications listed below, 2005–2026. Field-weighted impact is the mean over the 42 works scored for it; 1.00 is the world average for works of the same field, type and year. 8 of the 42 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 57

1. Alex Barimah Owusu, Collins Adjei Mensah, **Kofi Adu-Boahen**, Alhassan Mahama Kunda, John Aloba Atubiga (2026). Biophysical indicator-based assessment of climate change severity in the Upper East Region, Ghana. *Artificial Intelligence in Geosciences*. https://doi.org/10.1016/j.aiig.2026.100261
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. Isaac Aninakwah, Simon Boateng, Enock Aninakwah, **Kofi Adu-Boahen**, Cynthia Anim, Ethel Gyimah, Evans Asamoah, Bakira Tahiru (2026). Plastics in mangrove ecosystems: a systematic review of distribution patterns and ecological implications, with focus on Ghana. *Aquatic Ecology*. https://doi.org/10.1007/s10452-026-10318-x
4. **Kofi Adu-Boahen**, A Osman (2025). Assessment of Senior High School students' earthquake risk perception on their metacognition in Weija-Gbawe Municipality, Ghana. *Journal of Geographical Research & Report*. https://journals.uew.edu.gh/index.php/jgeorr/article/view/647
5. Collins Nana Andoh, Nana Osei Bonsu Ackerson, Mary Antwi, Etornyo Agbeko, **Kofi Adu-Boahen**, Francis Kwaku Attiogbe (2025). Assessment of residential solid waste management practices along Lake Volta, Ghana. *Aquatic Ecology*. https://doi.org/10.1007/s10452-025-10250-6
6. C. N. Andoh, N. O. B. Ackerson, M. Antwi, E. Agbeko, **K. Adu-Boahen**, K. F. Anyan (2025). Charting pollution: spatial modeling of microplastics distribution in sediments and surface water from Lake Volta, Ghana, using ArcGIS. *International Journal of Energy and Water Resources*. https://doi.org/10.1007/s42108-025-00417-0
7. Isaac Aninakwah, **Kofi Adu- Boahen**, Nicholas Edoh, Enock Aninakwah (2024). Analysis of Trends in Land Utilization and Land Cover Dynamics in the Kwahu West Municipality, Ghana. *Journal of Asian Geography*. https://doi.org/10.36777/jag2024.3.1.6
8. **Kofi Adu-Boahen** (2024). Analysis of shoreline change and community-based restoration initiatives in Lake Bosomtwe, Ghana. *SN Social Sciences*. https://doi.org/10.1007/s43545-024-00900-1
9. **Kofi Adu-Boahen** (2024). Investigation of Abundance and Spatial Distribution of Marine Debris on

Ghanaian Urban Coastal Beaches. *Journal of Environmental Geography*. https://doi.org/10.14232/jengeo-2024-44889

10. Alex Barimah Owusu, Iris Ekua Mensimah Fynn, **Kofi Adu-Boahen**, Clement Kwang, Collins Adjei Mensah, John Aloba Atugbiga (2024). Rate of desertification, climate change and coping strategies: Insights from smallholder farmers in Ghana's Upper East Region. *Environmental and Sustainability Indicators*. https://doi.org/10.1016/j.indic.2024.100433
11. 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
12. **Kofi Adu-Boahen**, Isaac Boateng, Emmanuel Yeboah Okyere, Sender Kyeremeh (2023). An assessment of water quality and the locals' perception of coastal lagoon pollution in ghana: A case study of chemu lagoon in tema. *Asian Review of Environmental and Earth Sciences*. https://doi.org/10.20448/arees.v10i1.4440
13. Sender Kyeremeh, **Kofi Adu-Boahen**, Millicent Obeng Addai (2023). Analysis of Groundwater Quality in the Coastal Aquifer of the Effutu Municipality, Ghana. *Journal of Chemistry*. https://doi.org/10.1155/2023/3575183
14. 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
15. **Kofi ADU-BOAHEN** (2023). COMPARATIVE ANALYSIS OF ECOSYSTEM SERVICE DELIVERY BETWEEN TWO COASTAL LAGOONS IN GHANA. *Journal of Applied Life Sciences and Environment*. https://doi.org/10.46909/alse-563109
16. Sender Kyeremeh, **Kofi Adu-Boahen**, Millicent Obeng Addai (2023). Economic evaluation of groundwater resource in the Effutu Municipality: An application of the Gisser-Sanchez effect. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e16398
17. Victor Owusu, **Kofi Adu-Boahen**, Sender Kyeremeh, Innocent Demalie, Philip Eshun (2023). Factors influencing compliance of closed fishing season: lessons from small-scale coastal fisheries in the Central Region of Ghana. *Humanities and Social Sciences Communications*. https://doi.org/10.1057/s41599-023-01513-4
18. Collins Nana Andoh, Francis Attiogbe, Nana Osei Bonsu Ackerson, Mary Antwi, **Kofi Adu-Boahen** (2023). Fourier Transform Infrared Spectroscopy: An analytical technique for microplastic identification and quantification. *Infrared Physics & Technology*. https://doi.org/10.1016/j.infrared.2023.105070
19. Georgette Baaba Atakorah, Alex Barimah Owusu, **Kofi Adu-Boahen** (2023). Geophysical assessment of flood vulnerability of Accra Metropolitan Area, Ghana. *Environmental and Sustainability Indicators*. https://doi.org/10.1016/j.indic.2023.100286
20. Kow Ansah-Mensah, Adams Osman, Clarke Ebow Yalley, **Kofi Adu-Boahen** (2023). Global outlook of the multiplier effect of research and development on environmental sustainability. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0291370
21. **Kofi Adu-Boahen**, Millicent Obeng Addai, Steve Clarke Hayford, Ebenezer Teye Adjovu, Derrick Oppong Yeboah, Philip Mensah (2023). Human-environment nexus: evaluating the anthropo-geomorphology and urban expansion of the Weija Gbawe Municipality, Ghana. *Discover Environment*. https://doi.org/10.1007/s44274-023-00022-0
22. **Kofi Adu-Boahen**, Kwadwo Frimpong, Dominic Kwaku Danso Mensah, Emmanuel Yeboah Okyere (2023). Implications of traditional beliefs and practices on naturalresource conservation and management: evidence fromsome selected urban rivers in Ghana. https://doi.org/10.54646/bijcees.2023.02
23. Alex Barimah Owusu, Collins Adjei Mensah, Iris Ekua Mensimah Fynn, Clement Kwang, Isaac Kwamena Arthur, **Kofi Adu-Boahen** (2023). Indicator-based assessment of the liveability of communities in the Accra Metropolitan Area, Ghana: A transdisciplinary approach. *Social Sciences & Humanities Open*. https://doi.org/10.1016/j.ssaho.2023.100702

24. 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

25. 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

26. Emmanuel Yeboah Okyere, **Kofi Adu-Boahen**, Bismark Mensah (2023). Man Invades Nature: Tracing the Dynamics and Trends of Anthropogenic Stressors Within a Coastal Wetland Environment. *Journal of Social Sciences*. https://doi.org/10.3844/jssp.2023.38.51

27. **Kofi Adu-Boahen** (2023). Smallholder Farmers' Perception of Climate Change Resilience in the Bosome Freho District Assembly in the Ashanti Region, Ghana. *Ghana Journal of Science Technology and Development*. https://doi.org/10.47881/394.967x

28. Adams Osman, Alex Barimah Owusu, **Kofi Adu-Boahen**, Emmanuel Atamey (2023). Space-time cube approach in analysing conflicts in Africa. *Social Sciences & Humanities Open*. https://doi.org/10.1016/j.ssaho.2023.100557

29. 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

30. **Kofi Adu-Boahen** (2022). A Survey and Analysis of The Effects of River Pollution on Floodplain Agriculture in Ghana: A Case Study of River Pra. *Smart Surveyors for Land and Water Management - Challenges in a New Reality*.

31. Adams Osman, **Kofi Adu-Boahen**, Benedict Arko, Emmanuel Yeboah Okyere (2022). Analysis of planting practices and post-planting stewardship intention of participants of Arbor Day. *Restoration Ecology*. https://doi.org/10.1111/rec.13838

32. 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

33. **K Adu-Boahen** (2022). Mapping ecological impact of microplastics on freshwater habitat in the central region of Ghana: a case study of River Akora. *GeoJournal*.

34. Adams Osman, Emmanuel Abeashi Mensah, Collins Adjei Mensah, Yaw Asamoah, Suleman Dauda, **Kofi Adu-Boahen**, Charles Atanga Adongo (2022). Spatial analysis of synergies and trade-offs between the Sustainable Development Goals (SDGs) in Africa. *Geography and sustainability*. https://doi.org/10.1016/j.geosus.2022.07.003

35. **Kofi Adu-Boahen**, Isaac. Boateng (2021). Mapping Seasonal Variation in the Distribution and Concentration of Heavy Metals Using Water Quality Index and Geographic Information System Based Applications. *Journal of Geographical Research*. https://doi.org/10.30564/jgr.v4i2.3100

36. **Kofi Adu-Boahen** (2020). Dynamics of Global Coastline: An Exposition of Erosional and Depositional Landforms Along The Komenda Coastline in The Central Coastal Plains of Ghana. *European Journal of Environment and Earth Sciences*. https://www.academia.edu/download/76881866/30_Article_Text_148_1_10_20200729_2_.pdf

37. **Kofi Adu-Boahen** (2020). Dynamics of global coastline: Dynamics of Global Coastline: An Exposition of Erosional and Depositional Landforms Along The Komenda Coastline in The Central Coastal Plains of Ghana. *European Journal of Environment and Earth Sciences*. https://www.academia.edu/download/104815420/20.pdf

38. **Kofi Adu-Boahen** (2020). Evaluation of sustainable management practices of water resources in Ghana: Perspectives from the Fosu and Essei Lagoons. *African Social Science and Humanities Journal*. https://doi.org/10.57040/asshj.v1i1.22

39. **Kofi Adu-Boahen** (2020). Geomorphic assessment of residence knowledge of mass wasting in the Weija catchment of Ghana. *ADRRI Journal (Multidisciplinary)*. https://www.academia.edu/download/101749640/Manuscript_Number_ADRRIJ_20_3570.pdf

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41. **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*.

42. **K Adu-Boahen** (2018). Customary practices and wetland management in Ghana: A case of Muni Lagoon Ramsar site in the Central Region. *KNUST Journal of Geography and Rural Development*. https://scholar.google.com/scholar?cluster=6191374752586003822&hl=en&oi=scholarr

43. **K Adu-Boahen**, Benjamin Kofi Nyarko (2018). Morphological classification and protection of the central coastline: Implications for erosion management in Ghana. *Social Science Journal*.

44. 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*.

45. **Kofi Adu-Boahen** (2017). Shoreline change detections in a humid tropical environment (Lake Bosomtwe in Ghana). *African Journal of Interdisciplinary Studies*. http://publications.uew.edu.gh/2015/sites/default/files/82-95%20K-Aduboahen.pdf

46. FE Jonah, **K Adu-Boahen** (2016). Coastal environmental injustice in Ghana: the activities of coastal sediment miners in the Elmina, Cape Coast and Moree area. *GeoJournal*.

47. F.E. Jonah, I. Boateng, A. Osman, M.J. Shimba, E.A. Mensah, **K. Adu-Boahen**, E.O. Chuku, E. Effah (2016). Shoreline change analysis using end point rate and net shoreline movement statistics: An application to Elmina, Cape Coast and Moree section of Ghana's coast. *Regional Studies in Marine Science*. https://doi.org/10.1016/j.rsma.2016.05.003

48. OD Mireku, **K Adu-Boahen** (2015). Institutionalizing community participation in watershed management, a study of the Inchaban Watershed in the western region of Ghana. *International Journal of Scientific and Research Publications*. https://scholar.google.com/scholar?cluster=5529732376621991390&hl=en&oi=scholarr

49. **Kofi Adu-Boahen**, Dei Laud Alfred, Antwi Kwabena Barima, Adu-Boahen Anitha Oforiwah (2015). Shoreline Change Detection Of Lake Bosomtwe Ghana, Evidence From Historical And Meteorological Records. *Journal of Arts and Social Sciences [JASS]*.

50. Enoch F. Sam, **Kofi Adu-Boahen**, Kwaku Kissah-Korsah (2014). Assessing the factors that influence public transport mode preference and patronage: Perspectives of students of University of Cape Coast (UCC), Ghana.

51. **K Adu-Boahen** (2014). Assessment of management attitudes on corporate social responsibility in Ghana: A case of some selected companies in the Tema Metropolis. *European Journal of Business and Social Science*. https://www.researchgate.net/profile/Kofi-Adu-Boahen/publication/265489858_ASSESSMENT_OF_MANAGEMENT_ATTITUDES_ON_CORPORATE_SOCIAL_RESPONSIBILITY_IN_GHANA_A_CASE_OF_SOME_SELECTED_COMPANIES_IN_THE_TEMA_METROPOLIS_ZEF_C_Department_of_Ecology_and_Natural_Resources_Management/links/541044060cf2f2b29a40426f/ASSESSMENT-OF-MANAGEMENT-ATTITUDES-ON-CORPORATE-SOCIAL-RESPONSIBILITY-IN-GHANA-A-CASE-OF-SOME-SELECTED-COMPANIES-IN-THE-TEMA-METROPOLIS-ZEF-C-Department-of-Ecology-and-Natural-Resources-Management.pdf

52. Fredrick Ekow Jonah, **Kofi Adu-Boahen** (2014). Coastal environmental injustice in Ghana: the activities of coastal sediment miners in the Elmina, Cape Coast and Moree area. *GeoJournal*. https://doi.org/10.1007/s10708-014-9612-4

53. **K Adu-Boahen**, EA Mensah, A Osman (2014). Role of rural infrastructural development in alleviating poverty in Ghana: A case of Jukwa, Central Region. *International Journal of Development and Sustainability*. https://www.researchgate.net/profile/Kofi-Adu-Boahen/publication/265489377_Role_of_rural_infrastructural_development_in_alleviating_poverty_in_Ghana_A_case_of_Jukwa_Central_Region/links/541043980cf2d8daaad2fa9a/Role-of-rural-infrastructural-development-in-alleviating-poverty-in-Ghana-A-case-of-Jukwa-Central-Region.pdf

54. **K Adu–Boahen**, A Osman (2014). Socio-economic impact of Lake Bosomtwe shoreline changes on catchment residents in Ghana. *International Journal of Scientific and Research Publications*. https://www.academia.edu/download/104872666/ijsrp-p26121.pdf

55. **K Adu-Boahen**, A Osman, EA Mensah (2014). Waste management practices in Ghana: challenges and prospect, Jukwa Central Region. *International Journal of Development and Sustainability*. https://isdsnet.com/ijds-v3n3-10.pdf

56. **Kofi Adu-Boahen** (2011). ANALYSIS OF HIV AND AIDS RELATED BEHAVIOURAL PRACTICES, KNOWLEDGE, AND BELIEFS AMONG PUBLIC JUNIOR HIGH SCHOOL PUPILS IN THE CAPE COAST METROPOLIS. *Entangled in the Web of the Past: Evidence from Our Birth and Naming, Celebration of Anniversaries and Memories of the Past..... 175 CHAPTER 12: The rhetoric of medical migration in Africa: mitigating the phenomenon within a complex matrix of citizens' rights*. https://www.academia.edu/download/34115128/DISTANCE_FORUM-VOL_3.PDF#page=265

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Book chapters 2

1. **Kofi Adu-Boahen** (2023). GEOGRAPHICAL LOCATION AND PHYSICAL CHARACTERISTICS OF WINNEBA. *WINNEBA: The Geography, Peoples and Systems*.

2. **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

Other publications 1

1. **Kofi Adu-Boahen** (2012). Shoreline change analysis using end point rate and net shoreline movement statistics: An application to Elmina, Cape Coast and Moree section of Ghana's coast.