Richard Adade

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RESEARCH

Interests	Geographic Information System · Remote Sensing (UAV Applications) · Climate Change and Adaptation
Areas	Global and Planetary Change · Ecology · Management, Monitoring, Policy and Law · Earth-Surface Processes · Environmental Engineering · Pollution

RESEARCH SUMMARY

36	532	13	18	2.38	28%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 36 publications listed below, 2017–2026. Field-weighted impact is the mean over the 29 works scored for it; 1.00 is the world average for works of the same field, type and year. 8 of the 29 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Research Fellow 2020–present
Centre for Coastal Management, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Msc 2013–2016
Department of Geography and Regional Planning, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 33

1. Akintola, Shehu L., Aheto, Denis W., Sall, Aliou, Arizi, Evans K., Akwetey, Margaret F., Osei, Isaac K., Ayorinde, Kappo, **Adade, Richard**, Areola, Foluke, Attipoe, Esinam, Godwin, Margaret, Pawar, Vinolia P., Korang, Richmond, Akingbola, Ololade (2026). A Situational Analysis of Small-Scale Fisheries in West Africa: From Vulnerability to Viability. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.19358669
2. Diress Tsegaye, Jonathan Rizzi, Ulrike Bayr, Misganu Debella-Gilo, **Richard Adade**, Denis W. Aheto, Belachew Gizachew (2026). Mapping Potential Mangrove Forest Restoration Areas in Coastal Ghana Using Multi-Model Habitat Suitability Analysis. *Land*. https://doi.org/10.3390/land15091581
3. Ella-Kari Muhl, Derek Armitage, Prateep Kumar Nayak, Sisir Pradhan, Maha Abdelbaset, Denis Aheto, **Richard Adade**, Shehu Latunji Akintola, Evans Kwasi Arizi, Essinam Attipoe and 37 others (2026). Transition pathways from vulnerability to viability of small-scale fisheries in Africa and Asia. *People and Nature*. https://doi.org/10.1002/pan3.70305
4. Ebenezer Mensah Gyimah, Ebenezer Dassah, Maxwell Peprah Opoku, Wisdom Kwadwo Mprah, William Nketsia, Afua Ntoaduro, Philip Atta Mensah, Cecilia Opoku, Clement Osei Tutu, Issaka Zakia, **Richard Adade**, Paul Okyere (2025). Consumers' recommendations for improving access to healthcare services to adolescents with disabilities in Ghana. *BMC Research Notes*. https://doi.org/10.1186/s13104-025-07267-3

5. Lavenda Achieng' Odhiambo, Georgina Yaa Oduro, John Windie Ansah, **Richard Adade**, Denis Worlanyo Aheto (2025). Marine plastics and the circular economy: A review of policy frameworks in Mombasa County, Kenya. *Waste Management & Research The Journal for a Sustainable Circular Economy*. https://doi.org/10.1177/0734242x251331339
6. Grace Araba Biney, **Richard Adade** (2024). Digital Device Ownership, Digital Literacy and Information Technology Learning Self-Efficacy of Junior High School Students. *International Journal of Contemporary Sciences*. https://doi.org/10.55927/ijcs.v1i7.8975
7. Daniel Ansong, Y Enuameh, **Richard Adade** (2024). Factors associated with hypertension and diabetes in rural communities in the Asante Akim North Municipality of Ghana. *Health Open Research*. https://healthopenresearch.org/articles/6-8
8. Samuel Kofi Tulashie, Clement Akonnor Osei, Rebecca Kwofie, Mavis Olayemi Olorunyomi, Hope Attagba, Oscar Opoku Boateng, **Richard Adade**, Precious Mattah (2024). The potential production of biofuel from Sargassum sp.: turning the waste catastrophe into an opportunity. *Biofuels*. https://doi.org/10.1080/17597269.2024.2306008
9. **Richard Adade**, Dukiya Jaiye, Nana Ama Browne Klutse, Appollonia Aimiosino Okhimamhe (2023). Adapting to Changing Climate: Understanding Coastal Rural Residents' Relocation Intention in Response to Sea Level Rise. *Climate*. https://doi.org/10.3390/cli11050110
10. Kingsley Kanjin, **Richard Adade**, Julia Quaicoe, Minxuan Lan (2023). Assessing Potable Water Access and Its Implications for Households' Livelihoods: The Case of Sibi in the Nkwanta North District, Ghana. *ISPRS International Journal of Geo-Information*. https://doi.org/10.3390/ijgi12090365
11. Richard Takyi, Badr El Mahrad, Cynthia Addo, John Essandoh, Mohamed ElHadary, **Richard Adade**, Eddiebright Joseph Buadi, Benjamin Osei Botwe, Francis Kofi Ewusie Nunoo (2023). Assessment of coastal and marine ecosystems in West Africa: The case of Ghana. *Marine Pollution Bulletin*. https://doi.org/10.1016/j.marpolbul.2023.115735
12. Isaac Okyere, Ernest Obeng Chuku, Selorm Awiah Dzantor, Violet Ahenkorah, **Richard Adade** (2023). Capacity deficit and marginalisation of artisanal fishers hamper effective fisheries governance in Ghana: Insights and propositions for promoting sustainable small-scale fisheries. *Marine Policy*. https://doi.org/10.1016/j.marpol.2023.105640
13. Bapentire Donatus Angnuureng, **Richard Adade**, Ernest Obeng Chuku, Selorm Dzantor, Emmanuel Kwadzo Brempong, Precious Agbeko Dzorgbe Mattah (2023). Effects of coastal protection structures in controlling erosion and livelihoods. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e20633
14. Richard Takyi, Cynthia Addo, Badr El Mahrad, **Richard Adade**, Mohamed ElHadary, Francis Kofi Ewusie Nunoo, John Essandoh, Ernest Obeng Chuku, Federico Iriarte-Ahon (2023). Marine fisheries management in the Eastern Central Atlantic Ocean. *Ocean & Coastal Management*. https://doi.org/10.1016/j.ocecoaman.2023.106784
15. **Richard Adade**, Obed Appau, Prince Peprah, Portia Marfo Serwaa, Daniel Fobi, Rebecca Tawiah (2023). Perception of Ghanaian healthcare students towards the learning of sign language as course. *Cogent Public Health*. https://doi.org/10.1080/27707571.2023.2192999
16. Sèna Donalde Dolorès Marguerite Déguénon, **Richard Adade**, Oscar Teka, Denis Worlanyo Aheto, Brice Sinsin (2023). Sea-level rise and flood mapping: a review of models for coastal management. *Natural Hazards*. https://doi.org/10.1007/s11069-023-06225-1
17. Sèna Donalde Dolorès Marguerite Deguenon, Castro Gbêmêmali Hounmenou, **Richard Adade**, Oscar Teka, Ismaila Imorou Toko, Denis Worlanyo Aheto, Brice Sinsin (2023). Simulation of the Impacts of Sea-Level Rise on Coastal Ecosystems in Benin Using a Combined Approach of Machine Learning and the Sea Level Affecting Marshes Model. *Sustainability*. https://doi.org/10.3390/su152216001
18. Boffah Owusu Akyeaw, Francis Kumi, **Richard Adade**, Bernard Ekumah, Gilbert Osei (2023). UAV-based plant height estimation of maize cultivated using different varieties and sowing spacing. *Journal of the Ghana Institution of Engineering (JGhIE)*. https://doi.org/10.56049/jghie.v23i4.112
19. Richard Takyi, Badr El Mahrad, Francis Kofi Ewusie Nunoo, **Richard Adade**, Mohamed ElHadary, John Essandoh (2022). Adaptive management of environmental challenges in West African coastal lagoons. *The*

Science of The Total Environment. https://doi.org/10.1016/j.scitotenv.2022.156234

20. **Richard Adade**, O Appau, WK Mprah (2022). Factors influencing sign language interpretation service in ghana: The interpreters' perspective. *Journal of Interpretation*. https://digitalcommons.unf.edu/joi/vol30/iss1/1/

21. Daniel Amoako-Sakyi, Dorcas Obiri-Yeboah, Anthony Ofosu, Kwadwo Asamoah Kusi, Kingsley Osei, **Richard Adade**, Ebenezer Aniakwaa-Bonsu, Reginald Quansah, John Arko-Mensah, Brodrick Yeboah Amoah, Godwin Kwakye-Nuako, Eric Yaw Frimpong, Mariama Combasseré-Cherif, Hidaya Mohammed, Boubacar Maiga, Julius Fobil, Isabella Quakyi, Ben A. Gyan (2022). Preponderance of vaccine-preventable diseases hotspots in northern Ghana: a spatial and space-time clustering analysis from 2010 to 2014. *BMC Public Health*. https://doi.org/10.1186/s12889-022-14307-1

22. Ernest Obeng Chuku, Elizabeth Effah, Joshua Adotey, Sika Abrokwah, **Richard Adade**, Isaac Okyere, Denis Worlanyo Aheto, Karen Kent, Isaac Kofi Osei, Emmanuel Dami Omogbemi, Alphonse Adité, Kossi Ahoedo, Salieu Kabba Sankoh, Yaya Soro, Moussa Wélé, Dawda Foday Saine, Brian Crawford (2022). Spotlighting Women-Led Fisheries Livelihoods Toward Sustainable Coastal Governance: The Estuarine and Mangrove Ecosystem Shellfisheries of West Africa. *Frontiers in Marine Science*. https://doi.org/10.3389/fmars.2022.884715

23. Sika Abrokwah, Bernard Ekumah, **Richard Adade**, Ivy Serwaa Gyimah Akuoko (2021). Drivers of single-use plastic waste generation: lessons from packaged water consumers in Ghana. *GeoJournal*. https://doi.org/10.1007/s10708-021-10390-w

24. F Kumi, **R Adade**, Ransford Opoku Darko (2021). Estimating okra leaf area index using unmanned aerial vehicle imagery. *Agricultural Engineering International: CIGR Journal*. https://cigrjournal.org/index.php/Ejounral/article/view/6031

25. Michelle Clottey, Joseph Fynn, **Richard Adade** (2021). Habitat Distribution, Relative Abundance and CPUE of three commercially important Seabreams from Ghanaian waters. *Journal of Fisheries and Coastal Management*. https://doi.org/10.5455/jfcom.20210326030452

26. Richard Takyi, Rasha Hassan, Badr El Mahrad, **Richard Adade** (2021). Socio-ecological Analysis of Artisanal Gold Mining in West Africa: A Case study of Ghana. *Journal of Sustainable Mining*. https://doi.org/10.46873/2300-3960.1322

27. J Adotey, S Abrokwah, **R Adade** (2021). The estuarine and mangrove ecosystem-based shellfisheries of west africa: spotlighting women-led fisheries livelihoods. *USAID women shellfishers and food security project. coastal resources center, graduate school of oceanography, University of Rhode island. Narragansett, RI, USA*. https://scholar.google.com/scholar?cluster=9779446708789862513&hl=en&oi=scholarr

28. **Richard Adade**, Abiodun Musa Aibinu, Bernard Ekumah, Jerry Asaana (2021). Unmanned Aerial Vehicle (UAV) applications in coastal zone management—a review. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-021-08949-8

29. I Okyere, S Dzantor, **Adade** (2020). Assessment of the State of Fisheries Governance in Ghana. *EU funded Far Ban Bo*. https://www.researchgate.net/profile/Isaac-Okyere-6/publication/344320111_Assessment_of_the_State_of_Fisheries_Governance_in_Ghana/links/5f6747bd458515b7cf419e53/Assessment-of-the-State-of-Fisheries-Governance-in-Ghana.pdf

30. Alberta Ama Sagoe, Denis Worlanyo Aheto, Isaac Okyere, **Richard Adade**, Justice Odoi (2020). Community participation in assessment of fisheries related ecosystem services towards the establishment of marine protected area in the Greater Cape Three Points area in Ghana. *Marine Policy*. https://doi.org/10.1016/j.marpol.2020.104336

31. **R Adade**, Denis Worlanyo Aheto (2019). Integrated assessment of changes in wetland types in The Songor Biosphere Reserve, Ghana. *International Journal of UNESCO Biosphere Reserves*. https://scholar.google.com/scholar?cluster=15062158088845240245&hl=en&oi=scholarr

32. Gerald Atampugre, Melissa Nursey-Bray, **Richard Adade** (2019). Using geospatial techniques to assess climate risks in savannah agroecological systems. *Remote Sensing Applications Society and Environment*. https://doi.org/10.1016/j.rsase.2019.01.006

33. **Richard Adade**, Benjamin Kofi Nyarko, Denis Worlanyo Aheto, Kingsley Nana Osei (2017). Fragmentation

of wetlands in the south eastern coastal savanna of Ghana. *Regional Studies in Marine Science*. https://doi.org/10.1016/j.rsma.2017.03.003

Book chapters 1

1. Eline Nyiransengiyumva, **Richard Adade**, Noble Kwame Asare, Precious Agbeko Dzorgbe Mattah (2026). Modeling Potential Flood Occurrence under Climate-Related Variables in Kilifi Coastal County, Kenya. *Palgrave Studies in Maritime Economics*. https://doi.org/10.1007/978-3-032-25364-4_17

Conference papers 2

1. K Takyi, MS Nyarko, **Richard Adade**, RMOM Gyening (2023). Afrisign: Machine translation for african sign languages. *4th Workshop on African Natural Language Processing*. https://openreview.net/forum?id=EHIdk3J2xk
2. Sèna Donalde Dolorès Marguerite DEGUENON, **Richard ADADE**, Oscar TEKA, Denis Worlanyo AHETO, Brice SINSIN (2022). Sea-level rise and coastal flooding: A review of models and their applications. *XVIIèmes Journées, Chatou*. https://doi.org/10.5150/jngcgc.2022.087