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RESEARCH

Interests	Benthic ecology · Coastal ecology · Water quality · Marine biodiversity · Aquatic science education · Invertebrate taxonomy
Areas	Ecology · Global and Planetary Change · Management, Monitoring, Policy and Law · Oceanography · Pollution · Aquatic Science

RESEARCH SUMMARY

18	104	6	4	0.94	9%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 18 publications listed below, 2009–2026. Field-weighted impact is the mean over the 11 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 11 papers scored for it are among the world's most cited tenth for their field, type and year.

EDUCATION AND QUALIFICATIONS

PhD 2015–2019
Department of Fisheries and Aquatic Sciences, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 15

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. Dormarine Kwaboah Tuffour, Paul Kojo Mensah, **Margaret Fafa Awushie Akwetey** (2026). Ecological quality assessment of the Keta Lagoon, Ghana: integrating water quality, sediment quality, and benthic macroinvertebrates. *Water Science*. https://doi.org/10.1007/s44533-026-00060-6
3. Paul Kojo Mensah, **Margaret Fafa Awushie Akwetey** (2026). Impact of beach seining on macroalgae biomass and biodiversity on the central coast of Ghana before and after closed season. *Regional Studies in Marine Science*. https://www.sciencedirect.com/science/article/pii/S2352485526001040
4. Prince Prah, Precious Agbeko Dzorgbe Mattah, **Margaret Fafa Awushie Akwetey**, Sika Abrokwah, Denis Worlanyo Aheto (2026). XXXXXXSAssessment of the factors that influence the choice of wetland-based livelihoods in the keta lagoon complex Ramsar site (KLCRS) of South-eastern Ghana. *Discover Sustainability*. https://doi.org/10.1007/s43621-026-03049-4
5. **Margaret Fafa Awushie Akwetey**, Charles Abimbola Faseyi, Paul Kojo Mensah, Sika Abrokwah, Gabriel Gator, Gifty Wiredu, Theophilus Oteng-Krah, Eric Appiah Krampah, Daniel Pauly (2025). Juvenile Species in Beach Seine Bycatch Along the Coast of Ghana: Any Implications for Fisheries? *Marine Ecology*. https://doi.org/10.1111/maec.70014
6. Paul Kojo Mensah, Neil John Griffin, Ntombekhaya Mgaba, **Margaret Fafa Awushie Akwetey**, Oghenekaro

Nelson Odume (2025). Toxicity of Commonly Used Plasticizers to the Freshwater Organisms Tilapia sparrmanii (Fish) and Caridina nilotica (Shrimp): Lethal and Sublethal Effects. *Environmental Toxicology*. https://doi.org/10.1002/tox.24563

7. Dorothy Khasisi Lukhabi, Paul Kojo Mensah, Noble Kwame Asare, **Margaret Fafa Awushie Akwetey**, Charles Abimbola Faseyi (2024). Benthic macroinvertebrates as indicators of water quality: A case study of estuarine ecosystems along the coast of Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e28018
8. Paul Kojo Mensah, **Margaret Fafa Awushie Akwetey** (2024). Effective toxicity of pH to embryonic development of the banded lampeye killifish Aplocheilichthys spilauchen (Duméril, 1861). *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e32771
9. Precious Agbeko Dzorgbe Mattah, **Margaret Fafa Awushie Akwetey**, Sika Abrokwah, Prince Prah, Domarine Kwaboah Tuffour, Denis Worlanyo Aheto, Suneetha Subramanian (2024). Perspectives on Drivers of Biodiversity and Environmental Changes in the Keta Lagoon Ramsar Site of Ghana. *Sustainability*. https://doi.org/10.3390/su16020666
10. Sika Abrokwah, Ivy Serwaa Gyimah Akuoko, **Margaret Fafa Awushie Akwetey**, Mike Izava Olendo, Peter Kershaw, Denis Worlanyo Aheto (2023). Achieving sustainable source reduction of marine litter for ocean conservation in West Africa: Insights from single-use plastic consumers in Liberia. *Marine Policy*. https://doi.org/10.1016/j.marpol.2023.105937
11. **Margaret Fafa Awushie Akwetey**, Paul Kojo Mensah, Gertrude Tibu, Naomi Aku Agboli, Gifty Wiredu (2023). Before and after closed season for beach seine fishing in Ghana: Impact on benthic macroinvertebrates species diversity indices. *Marine Ecology*. https://doi.org/10.1111/maec.12784
12. **Margaret Fafa Awushie Akwetey**, Sika Abrokwah (2023). Environmental education toward the protection of biodiversity in a coastal lagoon in Ghana. *Limnology and Oceanography Bulletin*. https://doi.org/10.1002/lob.10554
13. **Margaret Fafa Akwetey**, K Yankson (2015). Comparative study of the benthic macroinvertebrate communities of two estuaries on the Southwestern Coast of Ghana. *Annals of Biological Research*. https://www.academia.edu/download/116994158/comparative-study-of-the-benthic-macroinvertebrate-communities-of-twoestuaries-on-the-southwestern-coast-of-ghana.pdf
14. **Margaret Fafa Akwetey**, Kobina Yankson (2015). Hydrographic characteristics of two estuaries on the south western coast of Ghana. *New York Science Journal*. https://scholar.google.com/scholar?cluster=17006619110717027132&hl=en&oi=scholarr
15. **Margaret Fafa Akwetey**, I Okyere, NK Asare (2014). 1. A Survey of the Benthic Macrofauna and Fish Species Assemblages in a Mangrove Habitat in Ghana. *West African Journal of Applied Ecology*. https://journals.ug.edu.gh/index.php/wajae/article/view/888

Theses 3

1. **Margaret Fafa Akwetey** (2019). Ecological assessment of some coastal lagoons and estuaries in Ghana: Abiotic and biotic approaches. *University of Cape Coast*. https://www.researchgate.net/profile/Margaret-Akwetey/publication/353666589_ECOLOGICAL_ASSESSMENT_OF_SOME_COASTAL_LAGOONS_AND_ESTUARIES_IN_GHANA_ABIOTIC_AND_BIOTIC_APPROACHES_MARGARET_FAFA_AWUSHIE_DZAKPASU/links/6109625a1e95fe241aabfb72/ECOLOGICAL-ASSESSMENT-OF-SOME-COASTAL-LAGOONS-AND-ESTUARIES-IN-GHANA-ABIOTIC-AND-BIOTIC-APPROACHES-MARGARET-FAFA-AWUSHIE-DZAKPASU.pdf
2. **Margaret Fafa Akwetey** (2012). Comparative ecological study of the Nyan and Kakum estuaries, Ghana. *University of Cape Coast*. https://www.researchgate.net/profile/Margaret-Akwetey/publication/321485717_COMPARATIVE_ECOLOGICAL_STUDY_OF_THE_NYAN_AND_KAKUM_ESTUARIES_GHANA/links/610960b81ca20f6f86fc9946/COMPARATIVE-ECOLOGICAL-STUDY-OF-THE-NYAN-AND-KAKUM-ESTUARIES-GHANA.pdf
3. **Margaret Fafa Akwetey** (2009). Macroinvertebrate fauna of the intertidal rock pools at the upper shore of Iture rocky beach. *University of Cape Coast*.