Sika Abrokwah

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RESEARCH

Interests	Marine Litter · Plastic waste management · Environmental Behaviour · Environmental Impact Assessment
Areas	Ecology · Pollution · Global and Planetary Change · Management, Monitoring, Policy and Law · General Health Professions · Health, Toxicology and Mutagenesis

RESEARCH SUMMARY

17	169	7	6	1.71	25%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 17 publications listed below, 2007–2026. Field-weighted impact is the mean over the 12 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 12 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

Doctor of Philosophy in Geography and Regional Planning 2019–2024
Department of Geography and Regional Planning, University of Cape Coast, University of Cape Coast, Cape Coast, Ghana

Master of Philosophy in Environmental Science 2011–2013
Institute for Environment and Sanitation Studies, University of Ghana, Accra, Ghana

Bachelor of Science in Environmental Science 2003–2007
Environmental Science, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 13

1. Matthew S. Savoca, Erin L. Murphy, Anja M. Brandon, Leah M. Thornton Hampton, Lauren Roman, Majel Kong, Maria Eugenia Fernandes, **Sika Abrokwah**, Cecelia Darter, François Galgani, Jennifer F. Provencher, Chibuisi Alimba, Robson G. Santos, Britta Denise Hardesty (2026). The effects of plastic pollution on biodiversity. *Nature Reviews Biodiversity*. https://doi.org/10.1038/s44358-026-00170-0
2. 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
3. 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

4. Benjamin Dziedzorm Gawornu, Justice Yeboah, Oliver Müller, Sigrún Huld Jónasdóttir, **Sika Abrokwah**, Torkel Gissel Nielsen, Outi Setälä, Delove Asiedu, Maria Lund Paulsen (2025). Microbial responses to crude oil and cadmium pollution in a tropical coastal environment, Gulf of Guinea. *Marine Pollution Bulletin*. https://doi.org/10.1016/j.marpolbul.2025.118324
5. 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
6. **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
7. 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
8. Ana Carolina Esteves Dias, Derek Armitage, Prateep Kumar Nayak, Shehu Latunji Akintola, Evans Kwasi Arizi, Ratana Chuenpagdee, Basanta Kumar Das, Sabiha Ahmed Diba, Raktima Ghosh, Moenieba Isaacs, … **Sika Abrokwah** and 64 others (2023). From vulnerability to viability: A situational analysis of small-scale fisheries in Asia and Africa. *Marine Policy*. https://doi.org/10.1016/j.marpol.2023.105731
9. Giovanna Albani, Delove Asiedu, **Sika Abrokwah**, Sigrún H. Jónasdóttir, Torkel G. Nielsen, Emmanuel Acheampong, Laura Hernández Ruiz, Bernard Ekumah, Marja Koski (2023). Synergistic and additive effects of microplastic, nickel and pyrene on survival, reproduction, and egestion of a tropical copepod. *Aquatic Toxicology*. https://doi.org/10.1016/j.aquatox.2023.106737
10. 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
11. **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
12. J Adotey, **S Abrokwah**, Effah (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
13. **Sika Abrokwah**, Bernard Ekumah, Francis Kwame Abrokwah (2019). Microbial assessment of plastic bottles reused for packaging food products in Ghana. *Food Control*. https://doi.org/10.1016/j.foodcont.2019.106956

Reports 2

1. **Sika Abrokwah** (2025). The impact of marine litter on the beach seine fishery of four countries in the Gulf of Guinea: Benin, Côte d'Ivoire, Ghana and Togo/L'impact des déchets marins sur la pêche à …. *FAO;*. https://openknowledge.fao.org/items/7685c79d-ff8a-4268-8f7a-d9c606d7375b
2. EK Arizi, **S Abrokwah**, DW Aheto, Frederick Ato Armah (2021). A situational analysis of small-scale fisheries in Ghana: From vulnerability to viability. *V2V Working Paper*. https://scholar.google.com/scholar?cluster=9210824021718283714&hl=en&oi=scholarr

Theses 2

1. **Sika Abrokwah** (2014). Waste Valorization: Management of Waste Plastic Bottles in Ayawaso West Sub-metro. *University of Ghana*.
2. **Sika Abrokwah** (2007). Public Acceptance of Ecological Sanitation: A Case Study in the Cape Coast Municipality. *University of Cape Coast*.