Noble Kwame Asare

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RESEARCH

Interests	Marine Biogeochemistry · Aquatic Microbial Ecology · Aquatic Pollution · Climate Change · Fish Ecology
Areas	Ecology · Global and Planetary Change · Aquatic Science · Earth-Surface Processes · Environmental Engineering · Health, Toxicology and Mutagenesis

RESEARCH SUMMARY

27	506	12	13	2.01	30%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 27 publications listed below, 2007–2026. Field-weighted impact is the mean over the 20 works scored for it; 1.00 is the world average for works of the same field, type and year. 6 of the 20 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Associate Professor/Research Scientist 2010–present
Department of Fisheries and Aquatic Sciences, University of Cape Coast, Cape Coast, Ghana

Tutor 2009–2010
Department of Biology, Queensbury Academy, Dunstable, United Kingdom

Postgraduate Researcher 2002–2006
Plymouth Marine Laboratory, Plymouth, United Kingdom

EDUCATION AND QUALIFICATIONS

PGCE Science 2008–2009
University of St Mark & St John, Plymouth, United Kingdom

Ph.D Marine Biogeochemistry 2003–2007
University of Plymouth, Plymouth, United Kingdom

M.Sc. Aquatic Tropical Ecology 2000–2002
Universitat Bremen Fachbereich Biologie Chemie, Bremen, Germany

B.Sc. Zoolology 1995–1999
Department of Animal Biology and Conservation Science, University of Ghana, Legon, Ghana

PUBLICATIONS

Journal articles 24

1. Abednego Adjei Baffour, Wincharles Coker, **Noble Kwame Asare** (2026). Addressing communication barriers to public understanding of climate change in selected coastal communities in Ghana. *Journal of Applied Communication Research*. https://doi.org/10.1080/00909882.2026.2712442
2. **Noble K. Asare** (2025). Aspects of the Feeding Ecology of Some Selected Fish Species Assemblages of an Estuarine Mangrove Ecosystem in Ghana. *West African Journal of Applied Ecology*. https://journals.ug.edu.gh/index.php/wajae/article/view/4223
3. 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
4. Rahmat Quaigrane Duker, **Noble Kwame Asare**, Edward Adzesiwor Obodai, Joseph Kweku Adjei, Emmanuel Acheampong, Ernest Obeng Chuku (2024). Ecotoxicological and health risks associated with sediment-bound polycyclic aromatic hydrocarbons in peri-urban closed and open coastal lagoons. *Marine Pollution Bulletin*. https://doi.org/10.1016/j.marpolbul.2024.116351
5. Frederick Asante, Christiana Naana Sam, Alexandra Marçal Correia, Matteo Campioli, Justice Yeboah, Samuel Appiah Ofori, Farid Dahdouh-Guebas, **Noble Kwame Asare** (2024). Unravelling the impact of environmental variability on mangrove sediment carbon dynamics. *The Science of The Total Environment*. https://doi.org/10.1016/j.scitotenv.2024.174837
6. Dorothy Khasisi Lukhabi, Paul Kojo Mensah, **Noble Kwame Asare**, Tchaka Pulumuka-Kamanga, Kennedy Ochieng Ouma (2023). Adapted Water Quality Indices: Limitations and Potential for Water Quality Monitoring in Africa. *Water*. https://doi.org/10.3390/w15091736
7. Frederick Asante, Jean Hugé, **Noble K. Asare**, Farid Dahdouh-Guebas (2023). Does mangrove vegetation structure reflect human utilization of ecosystem goods and services? *iScience*. https://doi.org/10.1016/j.isci.2023.106858
8. Rosemary Agbeko, Denis W. Aheto, Daniel K.A. Asante, **Noble K. Asare**, Alex A. Boateng, Cynthia A. Adinortey (2022). Identification of molecular determinants of antibiotic resistance in some fish farms of Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e10431
9. Kezia Baidoo, **Noble Kwame Asare**, Seth Mensah Abobi (2022). Length-Weight Relationship and the Condition Factor of some Important Estuarine Fish Species from Kakum Estuary of Ghana. *Ghana Journal of Science Technology and Development*. https://doi.org/10.47881/377.967x
10. Raheem Abdul-Kareem, **Noble Kwame Asare**, Donatus Bapentire Angnuureng, Emmanuel K. Brempong (2022). Shoreline Variability of a Bay Beach: The Case of Apam Beach, Ghana. *Estuaries and Coasts*. https://doi.org/10.1007/s12237-022-01110-9
11. IK Osei, J Blay, **N Asare** (2021). An update of the reproductive biology of sardinellas (Family: Clupeidae) in the coastal waters of Ghana. *Fish Res*. https://scholar.google.com/scholar?cluster=11657230216682111829&hl=en&oi=scholarr
12. I Okyere, DB Angnuureng, **NK Asare**, DW Aheto (2021). Report on Monthly Monitoring of SFMP COVID-19 Intervention Sites and Close-out for UCC's Activities. *The USAID/Ghana Sustainable Fisheries Management Project (SFMP). Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island, and Centre for Coastal Management, University of Cape Coast, Cape Coast, Ghana. GH2014_COV105_UCC*. https://www.crc.uri.edu/download/GH2014_COV105_UCC_FIN508.pdf
13. **NK Asare**, JL Javier (2021). Tidal influence on fish faunal occurrence and distribution in an estuarine mangrove system in Ghana. *African Journal of Aquatic Science*. https://doi.org/10.2989/16085914.2021.1978380
14. Francis K. E. Nunoo, Daniel J. Skerritt, Anna Schuhbauer, Sebastian Villasante, Andrés M. Cisneros-Montemayor, Hussain Sinan, Duncan Burnside, Patrízia Raggi Abdallah, Keita Abe, Kwasi A. Addo, …

Noble Asare and 89 others (2021). WTO must ban harmful fisheries subsidies. *Science*. https://doi.org/10.1126/science.abm1680

15. I Okyere, DB Angnuureng, **NK Asare**, DW Aheto (2020). COVID-19: mapping and baseline survey of fish landing beaches, processing sites and markets. *The USAID/Ghana Sustainable Fisheries Management Project (SFMP). Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island, and Centre for Coastal Management, University of Cape Coast, Cape Coast, Ghana. GH2014_COV119_UCC*. https://www.crc.uri.edu/download/GH2014_COV119_UCC_FIN508.pdf
16. Isaac Okyere, Ernest O. Chuku, Bernard Ekumah, Donatus B. Angnuureng, Justice K. Boakye-Appiah, David J. Mills, Raymond Babanawo, **Noble K. Asare**, Denis W. Aheto, Brian Crawford (2020). Physical distancing and risk of COVID-19 in small-scale fisheries: a remote sensing assessment in coastal Ghana. *Scientific Reports*. https://doi.org/10.1038/s41598-020-79898-4
17. E Drury O'Neill, **NK Asare**, DW Aheto (2018). Socioeconomic dynamics of the Ghanaian tuna industry: a value-chain approach to understanding aspects of global fisheries. *African Journal of Marine Science*. https://doi.org/10.2989/1814232x.2018.1513866
18. Daniel D. N. Nortey, Denis W. Aheto, John Blay, Fredrick E. Jonah, **Noble K. Asare** (2016). Comparative Assessment of Mangrove Biomass and Fish Assemblages in an Urban and Rural Mangrove Wetlands in Ghana. *Wetlands*. https://doi.org/10.1007/s13157-016-0783-2
19. Evan S. Levy, **Noble K. Asare**, Kobina Yankson, Daniel A. Wubah (2015). Effects of hydrographic conditions of ponds on juvenile fish assemblages in the Kakum mangrove system, Ghana. *Regional Studies in Marine Science*. https://doi.org/10.1016/j.rsma.2015.08.007
20. Denis Worlanyo Aheto, 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
21. Denis Worlanyo Aheto, Isaac Okyere, **Noble Kwame Asare**, Margaret F. A. Dzakpasu, Y. Wemegah, J. Dotsey-Brown, M. Longdon-Sagoe (2014). A Survey of the Benthic Macrofauna and Fish Species Assemblages in a Mangrove Habitat in Ghana. *West African Journal of Applied Ecology*.
22. **Noble Kwame Asare** (2013). Development and Validation of an Analytical Method for Assaying Bacterial Uptake of Methyl Iodide in Estuarine Systems.
23. **Noble K Asare** (2012). Microbially-mediated methyl iodide production in water samples from an estuarine system. *J. Environ*. https://www.academia.edu/download/49421994/Microbially-Mediated_Methyl_Iodide_Production_in_Water.pdf
24. Denis W. Aheto, **Noble K. Asare**, Belinda Quaynor, Emmanuel Y. Tenkorang, Cephas Asare, Isaac Okyere (2012). Profitability of Small-Scale Fisheries in Elmina, Ghana. *Sustainability*. https://doi.org/10.3390/su4112785

Book chapters 2

1. **Noble Kwame Asare** (2026). Estuaries: The Lifeblood of Coastal Fisheries in West Africa. *Earth Sciences*. https://doi.org/10.5772/intechopen.1014207
2. 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

Theses 1

1. **Noble Kwame Asare** (2007). Microbially-mediated methyl iodide cycling in a particle-rich estuary. *University of Plymouth*. https://www.researchgate.net/profile/Noble-Asare/publication/288835725_Microbially-Mediated_Methyl_Iodide_Cycling_In_A_Particle-Rich_Estuary/links/56865a6108aebccc4e13920e/Microbially-Mediated-Methyl-Iodide-Cycling-In-A-Particle-Rich-Estuary.pdf