Martha Osei-Marfo

Senior Lecturer · Department of Chemistry
University of Cape Coast

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RESEARCH

Interests	Renewable Energy · Environmental Quality · Environmental Impact Assessment
Areas	Pollution · Water Science and Technology · Energy Engineering and Power Technology · Environmental Engineering · Management, Monitoring, Policy and Law · Ocean Engineering

RESEARCH SUMMARY

15	97	5	2	0.32	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 15 publications listed below, 2011–2023. 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. 0 of the 12 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer
Water and Sanitation, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD
Water and Sanitation, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 13

1. Albert Ebo Duncan, Christian Adokoh, **Martha Osei-Marfo**, Samuel Barnie, Aboagye George Sakyi, Josephe Adjei (2023). Analysis and risk assessment of pharmaceutical residues in fish from three water bodies in Ghana. *Journal of Water and Health*. https://doi.org/10.2166/wh.2023.208
2. Albert Ebo Duncan, Sara Pennellini, Samuel Barnie, **Martha Osei-Marfo**, Samuel Nketia Boateng, Alessandra Bonoli (2023). Assessing the sustainable management of Coastal Wetlands in Developing Economies: A Case Study on the Iture-Abakam Natural Wetland in Cape Coast, Ghana. *Wetlands*. https://doi.org/10.1007/s13157-023-01743-x
3. Albert Ebo Duncan, Samuel Barnie, **Martha Osei-Marfo**, Samuel Nketia Boateng, George Acquaah, Gertrude Oboh (2023). Water Quality Monitoring in the Pra Basin of Ghana. *OALib*. https://doi.org/10.4236/oalib.1110173
4. **Martha Osei-Marfo**, Albert Ebo Duncan, Samuel Barnie, Sampson Nyame Owusu, Esi Awuah, Nanne de Vries (2022). Institutional Involvement and Collaboration in Disseminating Biogas Technology in Ghana. *Journal of Energy*. https://doi.org/10.1155/2022/1165136
5. Samuel Barnie, Jia Zhang, Albert Ebo Duncan, **Martha Osei-Marfo**, Caspar Daniel Adenutsi, Honghan Chen (2022). The adsorption and reduction mechanism of Cr(VI) by kerogen with different degrees of geochemical alteration using a thermal simulation method. *Applied Geochemistry*. https://doi.org/10.1016/j.apgeochem.2022.105261
6. **Martha Osei-Marfo**, Michael Oteng-Peprah, Esi Awuah, Nanne de Vries (2021). Characterisation of

Wastewater and Treatment Efficiency of Biogas Plants: Effluent Discharge Quality. *Journal of Energy Research and Reviews*. https://doi.org/10.9734/jenrr/2021/v7i130181

7. **M. Osei-Marfo**, N. K. de Vries, E. Awuah (2021). People's perceptions on the use of human excreta for biogas generation in Ghana. *Environment Development and Sustainability*. https://doi.org/10.1007/s10668-021-01439-4
8. **Martha Osei-Marfo** (2020). Cost-benefit analysis of fecal sludge treatment interventions in Ghana. *Copenhagen Consensus Center*.
9. **Martha Osei-Marfo**, Nanne de Vries, Esi Awuah (2020). Dynamics of Household Heads' Intentions to Adopt Biogas Technology in Ghana. *Journal of Energy Research and Reviews*. https://doi.org/10.9734/jenrr/2020/v4i230125
10. Albert Ebo Duncan, Michael Oteng Peprah, **Martha Osei Marfo** (2020). Unregulated Hand Dug Wells and Their Quality Threat: A Case Study in Cape Coast Metropolis. *OALib*. https://doi.org/10.4236/oalib.1106482
11. **M. Osei-Marfo**, E. Awuah, N. K. de Vries (2018). Biogas technology diffusion and shortfalls in the central and greater Accra regions of Ghana. *Water Practice & Technology*. https://doi.org/10.2166/wpt.2018.100
12. Albert Ebo Duncan, Michael Oteng-Peprah, **Martha Osei Marfo**, Gifty Rhodalyn Tetteh, Alexander Opoku (2015). GROUNDWATER QUALITY ANALYSIS ON SELECTED HAND-DUG WELLS IN THE CAPE COAST METROPOLIS, GHANA: A CASE STUDY OF ABURA. *Journal of Basic & Applied Sciences*.
13. **Martha Osei-Marfo** (2011). The use of natural system for the treatment of greywater: A case study of Kpeshie Lagoon, Accra, Ghana. *International Journal of Water Resources and Environmental Engineering*. https://www.academia.edu/download/116000027/CDE3D0654636.pdf

Book chapters 1

1. Isaac Mbir Bryant, **Martha Osei-Marfo** (2021). Innovative Designs in Household Biogas Digester in Built Neighbourhoods. *IntechOpen eBooks*. https://doi.org/10.5772/intechopen.97210

Reports 1

1. **Martha Osei-Marfo**, A Duncan (2014). Rainwater harvesting potential of University of Cape Coast campus: a GIS approach. *Loughborough University*. https://repository.lboro.ac.uk/articles/conference_contribution/Rainwater_harvesting_potential_of_University_of_Cape_Coast_campus_a_GIS_approach/9595748