Lilian Sarpong

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RESEARCH

Interests	Environmental monitoring and assessment
Areas	Pollution · Artificial Intelligence · Radiological and Ultrasound Technology · Water Science and Technology · Building and Construction · Environmental Chemistry

RESEARCH SUMMARY

7	20	3	0	0.30	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 7 publications listed below, 2023–2026. Field-weighted impact is the mean over the 7 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 7 papers scored for it are among the world's most cited tenth for their field, type and year.

EDUCATION AND QUALIFICATIONS

PhD 2017–2023
Chemistry, Kwame Nkrumah University of Science and Technology College of Science, Kumasi, Ghana

PUBLICATIONS

Journal articles 7

1. **L. Sarpong**, N.O. Boadi, J. Awewomom, E. Gyimah, O. Akoto (2026). A preliminary study assessing the quality and potential health hazards of element exposure through groundwater use in selected educational institutions in Ghana. *H2Open Journal*. https://doi.org/10.1016/j.htopen.2026.100057
2. **Lilian Sarpong**, James Kwame Kusi, Daniel Lamptey Kozah, Osei Akoto (2026). Comparative Analysis of Airborne Atrazine and Associated Health Risks in Urban and Rural Communities in Ghana. *Chemistry Africa*. https://doi.org/10.1007/s42250-026-01628-6
3. **Lilian Sarpong**, Nathaniel Owusu Boadi, Osei Akoto (2025). Ecological and public health estimations of potentially toxic elements in soils from an abandoned dumpsite in a tropical climatic zone. *International Journal of Environmental & Analytical Chemistry*. https://doi.org/10.1080/03067319.2025.2515612
4. **L. Sarpong**, N. O. Boadi, C. Nimako, N. Bortey–Sam, O. Akoto (2024). Contamination, health risk assessment, and spatial distribution of heavy metals in soils from gold mining district, Ghana. *International Journal of Environmental Science and Technology*. https://doi.org/10.1007/s13762-024-06173-8
5. Jackson Adiyiah Nyantakyi, **Lilian Sarpong**, Roland Boadi Mensah, Samuel Wiafe (2024). Surface water quality assessment and probable health threats of metal exposure in the Tano South Municipality, Ahafo, Ghana. *Scientific African*. https://doi.org/10.1016/j.sciaf.2024.e02437
6. **Lilian Sarpong**, Nathaniel Owusu Boadi, Osei Akoto (2023). An analysis of the foremost issues with artisanal and small-scale gold mining from Ghana's perspective. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-023-12016-9
7. **Lilian Sarpong**, Nathaniel Owusu Boadi, Osei Akoto (2023). Metal Fractionation and Leaching in Soils from a Gold Mining Area in the Equatorial Rainforest Zone. *Journal of Chemistry*. https://doi.org/

10.1155/2023/3542165