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RESEARCH

Areas: Pollution · Water Science and Technology · Waste Management and Disposal · Health, Toxicology and Mutagenesis · Biomedical Engineering · Building and Construction

RESEARCH SUMMARY

15	44	4	2	2.53	7%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 15 publications listed below, 2016–2026. Field-weighted impact is the mean over the 14 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 14 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Kwame Nkrumah University of Science and Technology 2021–present
Kumasi, Ghana

PUBLICATIONS

Journal articles 15

1. **Lawson Mensah**, Nahima Mahama, Gideon Nkrumah, Bright Agbekey, Evans Kwarteng, Ethel Bentil, Lina Appiah-Nuamah (2026). Attitudes and Environmental Awareness of Vehicle Service Technicians in Generating and Disposing of Waste Lubricant Oil in Ghana: Barriers to the Circular Economy. *International Journal of Science Technology and Society*. https://doi.org/10.11648/j.ijsts.20261404.11
2. **Lawson Mensah**, Francis Hassard, Elise Cartmell, Mandy Fletton, Pablo Campo (2026). Genus-level microbial fingerprints predict estrogen and nonylphenol biodegradation in activated-sludge reactors. *Sustainable Microbiology*. https://doi.org/10.1093/sumbio/qvag021
3. NKRUMAH, GIDEON, APPIAH-NUAMAH, LINA, AFRIFA, RICHARD DONKOR, **Mensah, Lawson** (2026). IMPACT OF FRUIT PROCESSING EFFLUENT ON THE RECEIVING RIVER QUALITY, ECOSYSTEM AND HUMAN HEALTH IN THE NSAWAM-ADOAGYIR MUNICIPALITY, GHANA. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.22824756
4. Victoria Mbiah, **Lawson Mensah**, Godson Teddyson Sarpong, Isaac Ayew Aidoo, Ibrahim Hamidu, Gideon Nkrumah, Adolf Oti-Boakye (2026). Reducing microbial levels in treated oily wastewater using Red Lava Rock as biofiltration media: A sustainable approach to attenuating microbial contamination. *Cleaner Water*. https://doi.org/10.1016/j.clwat.2026.100256
5. Solomon Nandomah, Isaac K. Tetteh, Ibrahim Issahaku, Antonia Y. Tetteh, **Lawson Mensah** (2026). Remediation of chemical and biochemical oxygen demand in untreated abattoir effluent using a locally engineered bio-based adsorbent. *Discover Chemical Engineering*. https://doi.org/10.1007/s43938-026-00140-0
6. Vincent Adjei, **Lawson Mensah**, Alex Owusu Amoakoh, Mary Antwi, Gideon Nkrumah, Isaac Stanisluv Essah, Frederick Gyan, Vera Aseye Edor, Godfred Adu Boateng (2026). Satellite-based assessment of mining-related sediment influence on water quality in an extractive river basin. *Environmental Research*.

https://doi.org/10.1016/j.envres.2026.124376

7. **Lawson Mensah**, Ethel Bentil, Bright Kwaku Agbekey, Gideon Nkrumah, Isaac Ayew Aidoo, Adolf Oti-Boakye, Dennis Owusu-Sekyere, Lyndon Nii Adjiri Sackey (2026). Textile waste from fashion shops and imported second-hand clothing in the Greater Kumasi Sub-Region of Ghana: A call for policy change. *Environmental Challenges*. https://doi.org/10.1016/j.envc.2026.101435
8. Lilian Waaley, **Lawson Mensah**, Sarah Conrad, Abass Gibrilla, Salifu Musah, Thomas Hans Aiglsperger, Geophrey Kwame Anornu, Lena Alakangas (2025). Environmental and health risk of artisanal and small-scale gold mining in Ghana: a review. *Environmental Science and Pollution Research*. https://doi.org/10.1007/s11356-025-37321-3
9. Emmanuel Okyere, Ethel Bentil, Nana Adwoa Kusi-Addai, **Lawson Mensah** (2025). Human health risk from groundwater consumption: A case study in the Apaaso-Tafo Community in the Bono East Region of Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2025.e42460
10. Stephen Arthur, **Lawson Mensah**, Kwabena Nsafoah Koduah, Ethel Bentil, Solomon Nandomah, Isaac Kow Tetteh, Jonathan Nartey Hogarh (2025). The dull side of gold ore exploration and analysis: an assessment of heavy metal pollution and ecological risk posed by untreated wastewater from gold assaying laboratories. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-025-14295-w
11. Emmanuel Leekplah Cuput, **Lawson Mensah**, Ethel Bentil, Victoria Amponsah, Bright Kwaku Agbekey (2024). Heavy metal contamination from fuel station run-off and carwash wastewater: An assessment of ecological risk and experimental treatment. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e29167
12. **Lawson Mensah**, Elise Cartmell, Mandy Fletton, Mark Scrimshaw, Pablo Campo (2024). Proactive monitoring of changes in the microbial community structure in wastewater treatment bioreactors using phospholipid fatty acid analysis. *Engineering Microbiology*. https://doi.org/10.1016/j.engmic.2024.100177
13. Nathaniel Kabral Wezenamo Fellalaga, **Lawson Mensah**, Bright Kwaku Agbekey, Ethel Bentil, Lilian Waaley, Geophery Kwame Anornu (2024). Trihalomethane Formation Potential at the Barekese Water Treatment Plant and the Related Cancer Risk to Consumers in the Kumasi Metropolis of Ghana. *Water*. https://doi.org/10.3390/w16213089
14. **Lawson Mensah**, Bruce Petrie, Mark Scrimshaw, Elise Cartmell, Mandy Fletton, Pablo Campo (2023). Influence of solids and hydraulic retention times on microbial diversity and removal of estrogens and nonylphenols in a pilot-scale activated sludge plant. *Heliyon*. https://doi.org/10.1016/j.heliyon.2023.e19461
15. **L Mensah** (2016). Removal of steroid estrogens from municipal wastewater in a pilot scale expanded granular sludge blanket reactor and anaerobic membrane bioreactor. *Environmental Technology*. https://doi.org/10.1080/09593330.2015.1070922