George YAW Hadzi

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RESEARCH

Interests	Analytical Chemistry · Environmental Chemistry
Areas	Health, Toxicology and Mutagenesis · Pollution · Artificial Intelligence · Cancer Research · Atmospheric Science · Building and Construction

RESEARCH SUMMARY

12	314	6	6	1.42	20%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 12 publications listed below, 2010–2026. Field-weighted impact is the mean over the 10 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 10 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 10

1. Du-Bois Asante, **George Yaw Hadzi**, Samuel Naaman, Michael Woode, Timothy Makwo, Benjamin Aboagye, Isaac Tabiri Henneh (2026). Comprehensive sub-chronic toxicological profiling of illegal artisanal small-scale mining-polluted river bodies in four regions of Ghana. *Toxicology Reports*. https://doi.org/10.1016/j.toxrep.2026.102244
2. **GY Hadzi**, David Kofi Essumang (2024). Assessment of contamination and potential ecological risks of heavy metals in riverine sediments from gold mining and pristine areas in Ghana. *Journal of Trace Elements and Minerals*. https://www.sciencedirect.com/science/article/pii/S2773050623000629
3. Charity Owusu, Albert Ofori, Frank Adusei-Mensah, Joseph Kweku Adjei, **George Yaw Hadzi**, John Kwesi Bentum, Reginald Quansah, David K Essumang (2024). Health Risk Assessment of Occupational Exposures of Polycyclic Aromatic Hydrocarbons, Phthalates, and Semi-Volatile Chlorinated Organic Compounds in Urine of Commercial Fish Smokers, Ghana. *Environmental Health Insights*. https://doi.org/10.1177/11786302241306932
4. Nathaniel Thompson, Joseph Kweku Adjei, John Kwesi Bentum, David Kofi Essumang, Godfred Odame Duodu, **George Hadzi**, George Alimo Adjei (2022). Vehicular influence on atmospheric concentrations and source apportionment of polycyclic aromatic hydrocarbons in some major cities in three regions of Ghana using epiphytic lichens. *Toxicology Reports*. https://doi.org/10.1016/j.toxrep.2022.08.002
5. **George Yaw Hadzi**, Godwin A. Ayoko, David K. Essumang, Shiloh K. D. Osae (2019). Contamination impact and human health risk assessment of heavy metals in surface soils from selected major mining areas in Ghana. *Environmental Geochemistry and Health*. https://doi.org/10.1007/s10653-019-00332-4
6. **George Yaw Hadzi**, David Kofi Essumang, Godwin A. Ayoko (2018). Assessment of contamination and health risk of heavy metals in selected water bodies around gold mining areas in Ghana. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-018-6750-z
7. George Adjei, Christian Adokoh, John Bentum, **George Hadzi**, Evans Ameho (2017). The Impact of Anthropogenic Activities on the Fosu Lagoon in the Central District of Cape Coast: Integrated Assessment of Heavy Metal Contamination. *British Journal of Applied Science & Technology*. https://doi.org/10.9734/bjast/2017/31275

8. **George Yaw Hadzi**, David Kofi Essumang, Joseph Kwaku Adjei (2015). Distribution and Risk Assessment of Heavy Metals in Surface Water from Pristine Environments and Major Mining Areas in Ghana. *Journal of Health and Pollution*. https://doi.org/10.5696/2156-9614-5-9.86

9. D. K. Essumang, D. K. Dodoo, **G. Hadzi** (2011). Distribution, Levels, and Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in Singed Cattle Hide. *Human and Ecological Risk Assessment An International Journal*. https://doi.org/10.1080/10807039.2011.605332

10. D.K. Essumang, D.K. Dodoo, **G. Hadzi** (2010). Distribution, levels, and risk assessment of polycyclic aromatic hydrocarbons in the soot of some kitchens in the Cape Coast Metropolis of Ghana. *Toxicological & Environmental Chemistry Reviews*. https://doi.org/10.1080/02772241003694728

Book chapters 1

1. **George Yaw Hadzi** (2022). Effect of Mining on Heavy Metals Toxicity and Health Risk in Selected Rivers of Ghana. *IntechOpen eBooks*. https://doi.org/10.5772/intechopen.102093

Theses 1

1. **GY Hadzi** (2017). ASSESSMENT OF HEAVY METALS AND METALLOID IN SOILS, SEDIMENTS AND WATER FROM PRISTINE AND MAJOR MINING AREAS IN GHANA-DATA TO AID GEOCHEMICAL BASELINE. SETTING. *Department of Chemistry of the School of Physical Sciences, College of Agriculture and Natural Sciences, University of Cape Coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/0c29e886-d4e8-4e87-8dc6-6d166bdafa32/content