Kwaku Oduro-Appiah

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RESEARCH

Interests	Solid Waste Management · Wastewater Engineering · Sustainable Environmental Behaviour · Municipal Solid Waste Management · Integrated Sustainable Waste Management · Intervention Mapping
Areas	Waste Management and Disposal · Public Health, Environmental and Occupational Health · Management, Monitoring, Policy and Law · Urban Studies · Food Science · Marketing

RESEARCH SUMMARY

13	270	10	10	3.67	57%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 13 publications listed below, 2013–2024. 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. 4 of the 7 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer 2008–present
Water and Sanitation, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD 2015–2020
Environmental Engineering, Maastricht University, Maastricht, Netherlands

M. Sc. Air Pollution Control, Solid Waste and Wastewater Process Engineering 2003–2006
WASTE, Universität Stuttgart, Stuttgart, Germany

B.Sc. Geological Engineering 1997–2001
Geological Engineering, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

DISTINCTIONS, MEMBERSHIPS AND SERVICE

International Solid Waste Association 2017–present
Vienna, Austria

PUBLICATIONS

Journal articles 12

1. Michael Simpson, **Kwaku Oduro-Appiah**, Ellen Gunsilius, Sonia Maria Dias, Anne Scheinberg (2024). Shifting perceptions of informal operators in the service and value chains: A retrospective of 40 years of observation and advocacy for informal recyclers and waste service providers, through the eyes of five global participant-researchers. *Waste Management & Research The Journal for a Sustainable Circular Economy*. https://doi.org/10.1177/0734242x241280076
2. **Kwaku Oduro-Appiah**, Abraham Afful, Henrietta Osei-Tutu (2024). Using an extended model of the reasoned action approach to explore individual behavioral intentions regarding litter and plastic pollution

prevention in a developing country. *Frontiers in Psychology*. https://doi.org/10.3389/fpsyg.2023.1274765

3. **Kwaku Oduro-Appiah**, Abraham Afful, Henrietta Osei-Tutu (2022). Assessment of Belief Constructs to Support an Intervention in Municipal Solid Waste Separation at the Source in Low–Middle-Income Countries: Observations from the Greater Accra Region of Ghana. *Recycling*. https://doi.org/10.3390/recycling7020017
4. **Kwaku Oduro-Appiah** (2021). Sustainable Pathway for Closing Solid Waste Data Gaps: Implications for Modernization. *Strategies of Sustainable Solid Waste Management*. https://books.google.com/books?hl=en&lr=&id=gaotEAAAQBAJ&oi=fnd&pg=PA25&dq=info:b4u7mkVZNxkJ:scholar.google.com&ots=7sCBpP5m4i&sig=hx561a3KlFze_UuIsUOZ5SN4mdY
5. **Kwaku Oduro-Appiah** (2020). Pathway to the modernization of recycling in developing countries: the role of participatory process. *Linnaeus Eco-Tech*. https://conferences.lnu.se/index.php/eco-tech/article/view/2662
6. **Kwaku Oduro-Appiah**, Anne Scheinberg, Abraham Afful, Nanne de Vries (2020). The contribution of participatory engagement strategies to reliable data gathering and inclusive policies in developing countries: Municipal solid waste management data in the Greater Accra Metropolitan Area of Ghana. *African Journal of Science Technology Innovation and Development*. https://doi.org/10.1080/20421338.2020.1797267
7. **Kwaku Oduro-Appiah**, Abraham Afful, Victor Neequaye Kotey, Nanne De Vries (2019). Working with the Informal Service Chain as a Locally Appropriate Strategy for Sustainable Modernization of Municipal Solid Waste Management Systems in Lower-Middle Income Cities: Lessons from Accra, Ghana. *Resources*. https://doi.org/10.3390/resources8010012
8. **Kwaku Oduro-Appiah**, Anne Scheinberg, Anthony Mensah, Abraham Afful, Henry Kofi Boadu, Nanne de Vries (2017). Assessment of the municipal solid waste management system in Accra, Ghana: A 'Wasteaware' benchmark indicator approach. *Waste Management & Research The Journal for a Sustainable Circular Economy*. https://doi.org/10.1177/0734242x17727066
9. **K Oduro-Appiah** (2017). Locally responsive intervention to improve municipal solid waste collection coverage in Accra, Ghana. *Water*. https://repository.lboro.ac.uk/articles/conference_contribution/Locally_responsive_intervention_to_improve_municipal_solid_waste_collection_coverage_in_Accra_Ghana/9589052/files/17228141.pdf
10. **Kwaku Oduro-Appiah** (2013). Determinants of source separation of municipal solid waste in developing countries: The case of Ghana. *Journal of Sustainable Development in Africa*. https://www.academia.edu/download/85257601/Determinants_20of_20Source_20Separation_20of_20Municipal.Kwaku_20Oduro-Appiah.pdf
11. **Kwaku Oduro-Appiah** (2013). Fee-based solid waste collection in economically developing countries: The case of Accra metropolis. *International Journal of Development and Sustainability*. https://www.academia.edu/download/91050940/ijds-v2n2-13.pdf
12. **Kwaku Oduro-Appiah** (2013). Sustainability of sanitary landfill management in sub-Saharan Africa: The case of Ghana. *International Journal of Development and Sustainability*. https://isdsnet.com/ijds-v2n3-21.pdf

Book chapters 1

1. **Kwaku Oduro-Appiah**, Anne Scheinberg, Kodwo Miezah, Anthony Mensah, Nanne K. de Vries (2019). Existing Realities and Sustainable Pathways for Solid Waste Management in Ghana. *Advances in environmental engineering and green technologies book series*. https://doi.org/10.4018/978-1-7998-0198-6.ch005