David Nartey Obemah

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PROFILE

Field greenhouse Gas(GHG) Emissions and ammonia volatilization (NH3), Groundwater Quality(Lysimeter study) Nitrogen and carbon leaching, Dairy Effluent GHG and NH3 Mitigation strategies at storage, Biochar

RESEARCH

Areas: Waste Management and Disposal · Agronomy and Crop Science · Nutrition and Dietetics · Plant Science · Water Science and Technology

RESEARCH SUMMARY

2	2	1	0	0.38	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 2 publications listed below, 2024–2026. Field-weighted impact is the mean over the 2 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 2 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer / Researcher 2022–present
Environmental Science, KNUST, Kumasi-Ghana, Ghana

PUBLICATIONS

Journal articles 2

1. Lydia Otoo Amponsah, **David Nartey Obemah**, Belinda Lee Quayson, Albert Banunle, Daniel Kwame Oware Asamoah, Mwema Felix Mwema (2026). On-farm wastewater treatment for irrigation using biochar from local agro-residues in Obuasi, Ghana. *PLOS Water*. https://doi.org/10.1371/journal.pwat.0000612
2. **Obemah David Nartey**, Deyan Liu, Jiafa Luo, Stuart Lindsey, Zengming Chen, Junji Yuan, Mohammad Zaman, Jonathan Nartey Hogarh, Weixin Ding (2024). Optimizing application of dairy effluent with synthetic N fertilizer reduced nitrogen leaching in clay loam soil. *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e33900