

Sarah Darkwa

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RESEARCH

Interests Food Science · Nutrition & the Environment
Areas Food Science · Ecology · Education · General Health Professions · Management, Monitoring, Policy and Law · Public Health, Environmental and Occupational Health

RESEARCH SUMMARY

32	393	9	9	1.07	11%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 32 publications listed below, 2003–2025. Field-weighted impact is the mean over the 18 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 18 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 29

1. Sarah Darkwa (2025). Assessment of levels of heavy metals in some common local spices sold in two markets in Cape Coast Ghana. *Archives of Agriculture and Environmental Science*. <https://aesacademy.org/journals/index.php/aaes/article/view/1109>
2. Sarah Darkwa (2025). Comparative analysis of microbial contamination in vegetables sourced from farms, markets and street vendors in cape coast, Ghana. *Archives of Agriculture and Environmental Science*. <https://journals.aesacademy.org/index.php/aaes/article/view/1110>
3. Peter Yidana, Sarah Darkwa (2024). A model of effective teaching of economics in higher education: the integral role of classroom learning environment, instructional practices, and teacher characteristics. *Journal of Learning Development in Higher Education*. <https://doi.org/10.47408/jldhe.vi30.1024>
4. Nkosi Nkosi Botha, Edward Wilson Ansah, Cynthia Esinam Segbedzi, Sarah Darkwa (2023). Public health concerns for food contamination in Ghana: A scoping review. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0288685>
5. Roseline Love MacArthur, Ernest Teye, Sarah Darkwa (2021). Microbial contamination in palm oil selected from markets in major cities of Ghana. *Heliyon*. <https://doi.org/10.1016/j.heliyon.2021.e07681>
6. Roseline MacArthur, Ernest Teye, Sarah Darkwa (2021). Quality and safety evaluation of important parameters in palm oil from major cities in Ghana. *Scientific African*. <https://doi.org/10.1016/j.sciaf.2021.e00860>
7. Roseline Love MacArthur, Ernest Teye, Sarah Darkwa (2020). Predicting adulteration of Palm oil with Sudan IV dye using shortwave handheld spectroscopy and comparative analysis of models. *Vibrational Spectroscopy*. <https://doi.org/10.1016/j.vibspec.2020.103129>
8. Esther Kumea Ashun, Sarah Darkwa, Christiana Nsiah-Asamoah (2019). Nutritional Quality, Functional Properties and Sensory Acceptability of an Orange - fleshed Sweet Potato - based Complementary Food. *Asian Food Science Journal*. <https://doi.org/10.9734/afsj/2019/v11i430067>
9. S Darkwa (2018). Collection, identification, physico-chemical and microbial quality analysis of non-alcoholic drinks in the Cape Coast Metropolis. *Unpublished master's dissertation, Department of Vocational and Technical Education, University of Cape Coast*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/>

10. Sarah Darkwa (2016). An Exploration of Possible Consequences of Indiscriminate Consumption of Bissap Drink in Ghana. *British Microbiology Research Journal*. <https://doi.org/10.9734/bmrj/2016/28563>
11. Marvel Hinson, Sarah Darkwa (2016). Assessment of chemical contaminants in corn dough from selected corn wet milling plants in Mankessim. *Asian Journal of Agriculture and Rural Development*. <https://doi.org/10.18488/journal.1005/2016.6.6/1005.6.106.118>
12. Sarah Darkwa, Hannah Edjah (2016). Campus Sustainability Assessment: The Case of University of Cape Coast, Ghana. *British Journal of Applied Science & Technology*. <https://doi.org/10.9734/bjast/2016/25553>
13. Sarah Darkwa (2016). Environmental Education for Sustainable Development: The Case of University of Cape Coast-Ghana. *Journal of Education Society and Behavioural Science*. <https://doi.org/10.9734/bjesbs/2016/25158>
14. Grace Annagmeng Mwini, Sarah Darkwa (2016). Microbial Contamination Associated with “Wagashi-Cheese” Production in Sissala East District- Ghana. *Journal of Food Research*. <https://doi.org/10.5539/jfr.v5n4p11>
15. Akosua Fosua Kyei, Sarah Darkwa (2015). ASSESSING STUDENT'S KNOWLEDGE OF THE HEALTH RISKS OF PLASTICIZER EXPOSURE. *RePEc: Research Papers in Economics*.
16. Sarah Darkwa (2015). Asian Journal of Empirical Research. *Asian Journal of Empirical Research*. https://www.researchgate.net/profile/Sarah-Darkwa-3/publication/280580448_Consumers'_Knowledge_Understanding_and_Use_of_Food_Label_Information_and_How_it_Affects_Purchasing_Decision_in_Ho_Ghana/links/577fcc9b08ae69ab88240d43/Consumers-Knowledge-Understanding-and-Use-of-Food-Label-Information-and-How-it-Affects-Purchasing-Decision-in-Ho-Ghana.pdf
17. Priscilla Cecilia Affram, Sarah Darkwa (2015). Consumers' Knowledge, Understanding and Use of Food Label Information, and How it Affects Purchasing Decision in Ho, Ghana. *RePEc: Research Papers in Economics*.
18. Francesca Anowie, Sarah Darkwa (2015). The Knowledge, Attitudes and Lifestyle Practices of Hypertensive Patients in the Cape Coast Metropolis-Ghana. *Journal of Scientific Research and Reports*. <https://doi.org/10.9734/jsrr/2015/19891>
19. Sarah Darkwa (2014). Flying under the radar: A study of public attitudes towards unmanned aerial vehicles. *Research & Politics*. <https://doi.org/10.1177/2053168014536533>
20. S. Darkwa (2014). Knowledge of nutrition facts on food labels and their impact on food choices on consumers in Koforidua, Ghana: a case study. *South African Journal of Clinical Nutrition*. <https://doi.org/10.1080/16070658.2014.11734479>
21. Sarah Darkwa (2014). Students' perspectives of the food and nutrition program at the University of Cape Coast Home Economics department and its implication on curriculum change. *Science Journal of Education*. <https://www.academia.edu/download/76347888/10.11648.j.sjedu.20140201.12.pdf>
22. Eunice, Ayensu, Sarah, Darkwa, Eunice, Ayensu, Sarah, Darkwa (2013). An Assessment of the Nutritional Status of under Five Children in Four Districts in the Central Region of Ghana. *RePEc: Research Papers in Economics*. <https://doi.org/10.22004/ag.econ.198311>
23. Sarah Darkwa (2013). Asian Journal of Agriculture and Rural Development. *Asian Journal of Agriculture and Rural Development*. <https://www.academia.edu/download/32463165/8-346-3112013-AJARD-851-860.pdf>
24. Sarah Darkwa (2013). Spices and Condiments in Ghana: Their Utilization in Comminuted Meat. *Asian Journal of Agriculture and Rural Development*. <https://ir.ucc.edu.gh/server/api/core/bitstreams/0d27fc02-a8b2-4316-bf4d-bb273f90a2a7/content>
25. Sarah Darkwa (2011). Research Article: Environmental Justice Education: Empowering Ghanaian Students to become Environmental Citizens. *Environmental Practice*. <https://doi.org/10.1017/s1466046611000342>
26. Sarah Darkwa, Richard Smardon (2010). Research Article: Ecosystem Restoration: Evaluating Local Knowledge and Management Systems of Fishermen in Fosu Lagoon, Ghana. *Environmental Practice*. <https://doi.org/10.1017/s1466046610000256>

27. Sarah Darkwa (2005). Aspán, A., see Eriksson, J.(104) 93 Audinet, N., see Gnanou Besse, N.(104) 123. *International Journal of Food Microbiology*. <https://scholar.google.com/scholar?cluster=2889615500733825508&hl=en&oi=scholar>
28. Sarah Darkwa (2005). Effect of boiling and roasting on the fermentation of soybeans into dawadawa (Soy-dawadaw. *International Journal of Food Microbiology*.
29. S Darkwa (2003). The role of bacillus species in the characteristic aroma of traditionally fermented soy dawadawa. *Ghana Journal of Science*. <https://scholar.google.com/scholar?cluster=4221911382043646215&hl=en&oi=scholar>

Book chapters 1

1. Brenda J. Nordenstam and Sarah Darkwa (2010). Risk consumption and environmental justice in the Great Lakes: The influence of fish advisories on risk perception, knowledge, and behavior of white and minority anglers. *Environment and Social Justice: An International Perspective*.

Reports 1

1. Akwasi Acheampong, AFA Marfo, Sarah Darkwa, AO Antwi, MK Baah, E Bessah (2021). Scientific African. *Scientific African*. https://www.researchgate.net/profile/Temitope-D-Timothy-Oyedotun/publication/356402866_Household_Waste_Generation_Change_in_Waste_Composition_and_the_Exposure_to_COVID-19_in_Guyana_and_Nigeria/links/619fb8b1d7d1af224b241a9b/Household-Waste-Generation-Change-in-Waste-Composition-and-the-Exposure-to-COVID-19-in-Guyana-and-Nigeria.pdf?_sg%5B0%5D=started_experiment_milestone&origin=journalDetail

Theses 1

1. Sarah Darkwa (2009). Risk perception, knowledge and behavior: Case studies of fishermen from Lake Ontario, USA and Fosu Lagoon, Ghana. *State University of New York College of Environmental Science and Forestry*. <https://search.proquest.com/openview/cd7902cc488a5b458a101dc6173d89f8/1?pq-origsite=gscholar&cbl=18750>