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RESEARCH

Areas Plant Science · Biochemistry · Analytical Chemistry · Complementary and alternative medicine · Food Science · Animal Science and Zoology

RESEARCH SUMMARY

25	876	13	16	3.13	33%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 25 publications listed below, 2008–2026. Field-weighted impact is the mean over the 12 works scored for it; 1.00 is the world average for works of the same field, type and year. 4 of the 12 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 24

1. Josiah W. Tachie-Menson, Emmanuel Datsomor, Grace van der Puije, Bless Adjorlolo, Seth G. T. Lartey, Emmanuel O. Adu, Alexander Weremfo (2026). Bio-herbicidal potential of extracts from allelopathic plants against the emergence of multi-species weed seed bank in Ghana. *Advances in Weed Science*. <https://doi.org/10.51694/advweedsoci/2026;44:0005>
2. Martin Adarkwah-Yiadom, Alexander Weremfo, Daniel Awuah, Franklin Brian Apea-Bah (2024). Phenolic compounds and antioxidant properties of roasted maize-peanut product (Zowey) and its potential to alleviate oxidative stress. *Universal Journal of Food Science and Technology*. <https://doi.org/10.31586/ujfst.2024.865>
3. Alexander Weremfo, Felix Adulley, Kwabena Dabie, Samuel Abassah-Oppong, Emmanuel Peprah-Yamoah (2022). Optimization of ultrasound-assisted extraction of phenolic antioxidants from turkey berry (*Solanum torvum* Sw) fruits using response surface methodology. *Journal of Applied Research on Medicinal and Aromatic Plants*. <https://doi.org/10.1016/j.jarmap.2022.100387>
4. Alexander Weremfo, Samuel Abassah-Oppong, Felix Adulley, Kwabena Dabie, Salifu Seidu-Larry (2022). Response surface methodology as a tool to optimize the extraction of bioactive compounds from plant sources. *Journal of the Science of Food and Agriculture*. <https://doi.org/10.1002/jsfa.12121>
5. A Weremfo (2021). Heavy metals in edible salt from Ghana with special reference to potential human health risk. *Toxin Reviews*.
6. E Acheampong, P Mantey, A Weremfo (2021). Potential impact of marine heatwaves on selected phytoplankton adapted to the Gulf of Guinea during stable hydrographic periods. *African Journal of Marine Science*. <https://doi.org/10.2989/1814232x.2021.1879267>
7. Alexander Weremfo, Meinster Kodjo Eduafo, Hakim Agyei Gyimah, Samuel Abassah-Oppong (2020). Monitoring the Levels of Biogenic Amines in Canned Fish Products Marketed in Ghana. *Journal of Food Quality*. <https://doi.org/10.1155/2020/2684235>
8. Alexander Weremfo, Felix Adulley, Martin Adarkwah-Yiadom (2020). Simultaneous Optimization of Microwave-Assisted Extraction of Phenolic Compounds and Antioxidant Activity of Avocado (*Persea americana* Mill.) Seeds Using Response Surface Methodology. *Journal of Analytical Methods in Chemistry*. <https://doi.org/10.1155/2020/7541927>

9. Alexander Weremfo (2019). Heavy metals in edible salt from Ghana with special reference to potential human health risk. *Toxin Reviews*. <https://doi.org/10.1080/15569543.2019.1649283>
10. A Weremfo (2018). Antioxidant and Toxicological Effects of Crude Extracts from *Calotropis procera* Leaves. *J Biochem Mol Med*. https://www.researchgate.net/profile/Eric-Daliri/publication/325083364_Antioxidant_and_Toxicological_Effects_of_Crude_Extracts_from_Calotropis_procera_Leaves/links/5b63afcd45b30c6d9a/Antioxidant-and-Toxicological-Effects-of-Crude-Extracts-from-Calotropis-procera-Leaves.pdf
11. Alexander Weremfo, Michael Buenor Adinortey, Charles Ansah, Cynthia Ayefoumi Adinortey, Genevieve Etonam Adukpo, Elvis Ofori Ameyaw, Alexander Kwadwo Nyarko (2018). DNA damage protecting activity and antioxidant potential of *Launaea taraxacifolia* leaves extract. *Journal of Natural Science Biology and Medicine*. https://doi.org/10.4103/jnsbm.jnsbm_22_17
12. Darkwah Williams Kweku, Micheal Buenor Adinortey, Alexander Weremfo (2018). Phytochemical Constituents and Aromatic Content of Methanol and Aqueous Extracts of *Dissotis rotundifolia* Whole Plant. *INRIA a CCSD electronic archive server*.
13. Williams Kweku Darkwah, Yanhui Ao, Micheal Buenor Adinortey, Alexander Weremfo, Francis Kwame Abrokwa, Emmanuel Afriyie (2018). Total Phenolic, Flavonoid and Alkaloid Contents, Oxidative DNA Damage Protective and Antioxidant Properties of Methanol and Aqueous Extracts of *Dissotis rotundifolia* Whole Plant. *Free Radicals and Antioxidants*. <https://doi.org/10.5530/fra.2018.2.13>
14. Alexander Weremfo (2017). Electrochemically roughened nanoporous platinum electrodes for non-enzymatic glucose sensors. *Electrochimica Acta*. <https://www.sciencedirect.com/science/article/pii/S0013468617302682>
15. Alexander Weremfo (2016). Modelling an electrochemically roughened porous platinum electrode for water oxidation. *Chemical communications*. <https://pubs.rsc.org/cc/article-abstract/52/21/4068/469564>
16. Alexander Weremfo (2015). Investigating the interfacial properties of electrochemically roughened platinum electrodes for neural stimulation. *Langmuir*. <https://doi.org/10.1021/la504876n>
17. Alexander Weremfo (2014). Cathodic stripping determination of water in organic solvents. *Electroanalysis*. <https://doi.org/10.1002/elan.201300471>
18. Alexander Weremfo (2012). Anti-Ectoparasitic activity and safety assessment of an ethanolic stem bark extract of *Turraeanthus Africanus*. *International Journal of Pharmacology & Toxicology Science*.
19. Enoch Thaddaeus Quayson, A Weremfo, CA Adinortey, W Ekloh (2012). Phytochemical screening, proximate and mineral composition of *Launaea taraxacifolia* leaves. *Research Journal of Medicinal Plant*.
20. A Weremfo, MB Adinortey (2011). Haemostatic effect of the stem juice of *Musa paradisiaca* L. (Musaceae) in Guinea pigs. *Advances in biological research*. <https://scholar.google.com/scholar?cluster=16950826709315683931&hl=en&oi=scholar>
21. Alexander Weremfo (2011). Preliminary study on hepatoprotective activity of tomato (*Solanum lycopersicum* L.) pulp against hepatic damage in rats. *Advances in Biological Research*. <https://www.sid.ir/paper/646040/en>
22. Alexander Weremfo, Alexander Nii Moi Pappoe, Michael Buenor Adinortey (2011). Wound Healing Potential of *Musa paradisiaca* L. (Musaceae) Stem Juice Extract Formulated into an Ointment. *Research Journal of Topical and Cosmetic Sciences*.
23. S. ABASSAH-OPPONG and A. WEREMFO D. K. ESSUMANG, A Weremfo (2008). ANALYSIS OF FATTY ACID COMPOSITION OF KOMBO (*PYCNANTHUS ANGOLENSIS*) BUTTER. *Int. J. Chem. Sci*.
24. Alexander Weremfo (2008). Antinociceptive activity of the ethanolic extract of the root bark of *Cassia sieberiana* (Fam. Caesalpinaceae). *Journal of Pharmacy & Bioresources*. https://www.researchgate.net/profile/Eric-Woode/publication/215794448_Anti-inflammatory_and_antioxidant_properties_of_the_root_extract_of_Carissa_edulis_Forsk_Vahl_Apocynaceae/links/0deec51aa300f48bb0000000/Anti-inflammatory-and-antioxidant-properties-of-the-root-extract-of-Carissa-edulis-Forsk-Vahl-Apocynaceae.pdf

Theses 1

1. Alexander Weremfo (2015). Electrochemically Roughened Platinum Electrodes for Neural Stimulation. UNSW Sydney. <https://unsworks.unsw.edu.au/bitstreams/958afd02-83fa-4a80-b893-5aed99d7c245/download>