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RESEARCH

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

RESEARCH SUMMARY

25	877	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/advweedsci/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 Calotropisprocera 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/5b63afcda6fdcc45b30c6d9a/Antioxidant-and-Toxicological-Effects-of-Crude-Extracts-from-Calotropis-procera-Leaves.pdf

11. **Alexander Weremfo**, MichaelBuenor Adinortey, Charles Ansah, CynthiaAyefoumi Adinortey, GenevieveEtornam Adukpo, ElvisOfori Ameyaw, AlexanderKwadwo 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 Abrokwah, 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 Launaeae 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=scholarr

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-OPPONGa 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