Prof. Adosraku Reimmel Kwame

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RESEARCH

Areas Food Science · Plant Science · Molecular Biology · Pharmacology · Biochemistry · Biochemistry

RESEARCH SUMMARY

23	443	10	10	1.22	17%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 23 publications listed below, 2002–2023. Field-weighted impact is the mean over the 23 works scored for it; 1.00 is the world average for works of the same field, type and year. 4 of the 23 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Associate Professor 2009–present
Pharmaceutical Chemistry, Kwame Nkrumah University of Science and Technology Faculty of Pharmacy and Pharmaceutical Sciences, Kumasi, Ghana

EDUCATION AND QUALIFICATIONS

PhD 1994–present
Pharmaceutical Chemistry, School of Pharmacy, University of London, London, United Kingdom

DISTINCTIONS, MEMBERSHIPS AND SERVICE

Fellow 2014–present
Pharmaceutical Society of Ghana, Accra, Ghana

Visiting Schorlar 2003–2004
Pharmaceutical Chemistry, School of Pharmacy, University of London, London, United Kingdom

PUBLICATIONS

Journal articles 22

1. Frederick Amankwaah, John Nii Addotey, Emmanuel Orman, **Reimmel Adosraku**, Isaac Kingley Amponsah (2023). A comparative study of Ghanaian propolis extracts: Chemometric analysis of the chromatographic profile, antioxidant, and hypoglycemic potential and identification of active constituents. *Scientific African*. https://doi.org/10.1016/j.sciaf.2023.e01956
2. Gideon Onuh, Joseph K. Adu, Samuel O. Bekoe, Raphael Johnson, **Reimmel K. Adosraku**, Samuel Asare-Nkansah (2023). Bioequivalence studies of cetirizine tablets using the urine excretion data of healthy Ghanaian male volunteers. *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e12665
3. Phoebe Esinam Goku, Emmanuel Orman, Anna Naa Kwarley Quartey, Joseph Kwasi Adu, **Reimmel Kwame Adosraku** (2020). A Simple RP-HPLC Method to Simultaneously Assay the Contents of Lamivudine, Tenofovir, and Nevirapine in Fixed Dose Combined Oral Antiviral Medicines. *Journal of Chemistry*. https://doi.org/10.1155/2020/4618360

4. Samuel Oppong Bekoe, Emmanuel Orman, Samuel Asare-Nkansah, Anne Mette Lerbech Sørensen, Erland Björklund, **Reimmel Kwame Adosraku**, Martin Hansen, Bjarne Styrishave (2020). Detection and quantification of antibiotic residues in urine samples of healthy individuals from rural and urban communities in Ghana using a validated SPE-LC-MS/MS method. *SN Applied Sciences*. https://doi.org/10.1007/s42452-020-03742-7

5. Ahimsa Yamoah, **Reimmel K. Adosraku**, Justice D. Amenu, Michael K. Baah, Daniel A. Abaye (2020). Evaluation of the Haematinic Activities of Extracts of Justicia secunda Vahl Leaves in Red Blood Cells of Laboratory Rats. *Journal of Biosciences and Medicines*. https://doi.org/10.4236/jbm.2020.83006

6. Samuel Oppong Bekoe, Mary-Anne Ahiabu, Emmanuel Orman, Britt Pinkowski Tersbøl, **Reimmel Kwame Adosraku**, Martin Hansen, Niels Frimodt-Moller, Bjarne Styrishave (2020). Exposure of consumers to substandard antibiotics from selected authorised and unauthorised medicine sales outlets in Ghana. *Tropical Medicine & International Health*. https://doi.org/10.1111/tmi.13442

7. William Kofie, John Peter Fetse, **Reimmel Kwame Adosraku** (2019). Antimicrobial Activities of Novel Xylopic Acid Derivatives. *Journal of Advances in Microbiology*. https://doi.org/10.9734/jamb/2019/45824

8. Emmanuel B. A. Adusei, **Reimmel K. Adosraku**, James Oppong-Kyekyeku, Cedric D. K. Amengor (2019). Investigation of Acid-Base Indicator Property of Plumbagin fromPlumbago zeylanicaLinn. *International Journal of Analytical Chemistry*. https://doi.org/10.1155/2019/4061927

9. James Oppong Kyekyeku, Samuel Asare-Nkansah, Samuel Oppong Bekoe, Selahaddin Sezgin, **Reimmel Kwame Adosraku**, Michael Spiteller (2019). MALDI–HRMS imaging and HPLC–HRESI–MSn characterisation of kaurane diterpenes in the fruits of Xylopia aethiopica (Dunal) A. Rich (Annonaceae). *Phytochemical Analysis*. https://doi.org/10.1002/pca.2901

10. Emmanuel B. A. Adusei, **Reimmel K. Adosraku**, James Oppong-Kyekyeku, Cedric D. K. Amengor, Yakubu Jibira (2019). Resistance Modulation Action, Time-Kill Kinetics Assay, and Inhibition of Biofilm Formation Effects of Plumbagin from Plumbago zeylanica Linn. *Journal of Tropical Medicine*. https://doi.org/10.1155/2019/1250645

11. James Oppong Kyekyeku, Souvik Kusari, **Reimmel Kwame Adosraku**, Anke Bullach, Christopher Golz, Carsten Strohmann, Michael Spiteller (2017). Antibacterial secondary metabolites from an endophytic fungus, Fusarium solani JK10. *Fitoterapia*. https://doi.org/10.1016/j.fitote.2017.04.007

12. James Kyekyeku, **Reimmel Adosraku**, Samuel Asare–Nkansah (2017). LC–HRESI–MS/MS Profiling of Flavonoids from Chlorophora regia (Moraceae). *Journal of Pharmaceutical Research International*. https://doi.org/10.9734/bjpr/2017/32893

13. Isaac Ayensu, Erwin Doe, Abena Amponsaa Brobbey, **Reimmel Adosraku** (2016). Assessment of bioequivalence profile of locally produced flucloxacillin sodium capsules via urinary excretory rates. *Journal of Scientific and Innovative Research*. https://doi.org/10.31254/jsir.2016.5405

14. Eric Woode, Elvis Ofori Ameyaw, Eric Boakye-Gyasi, Wonder Kofi Mensah Abotsi, James Oppong Kyekyeku, **Reimmel Adosraku**, Robert Peter Biney (2016). Effects of an ethanol extract and the diterpene, xylopic acid, of Xylopia aethiopica fruits in murine models of musculoskeletal pain. *Pharmaceutical Biology*. https://doi.org/10.1080/13880209.2016.1199040

15. John Fetse, William Kofie, **Reimmel Adosraku** (2016). Ethnopharmacological Importance of Xylopia aethiopica (DUNAL) A. RICH (Annonaceae) - A Review. *Journal of Pharmaceutical Research International*. https://doi.org/10.9734/bjpr/2016/24746

16. William Kofie, John Fetse, **Reimmel Adosraku** (2016). Synthesis and Characterization of Novel Xylopic Acid Derivatives. *Chemical Science International Journal*. https://doi.org/10.9734/acsj/2016/27962

17. Emmanuel Orman, Phyllis Addo, Michael Ofori, **Reimmel Adosraku** (2015). Investigating the In-vivo Antiplasmodial Properties of Aqueous Extract of Moringa oleifera Lam (Moringaceae) Leaves. *Journal of Pharmaceutical Research International*. https://doi.org/10.9734/bjpr/2015/15714

18. James Oppong Kyekyeku, Souvik Kusari, **Reimmel Kwame Adosraku**, Sebastian Zühlke, Michael Spiteller (2015). Prenylated 2-arylbenzofuran derivatives with potent antioxidant properties from Chlorophora regia (Moraceae). *Fitoterapia*. https://doi.org/10.1016/j.fitote.2015.11.013

19. Eric Woode, WonderK.M Abotsi, **ReimmelK Adosraku**, ElvisO Ameyaw, Eric Boakye-Gyasi, JamesOppong Kyekyeku (2014). Anti-allodynic and Anti-hyperalgesic effects of an ethanolic extract and xylopic acid from the fruits of Xylopia aethiopica in murine models of neuropathic pain. *Pharmacognosy Research*. https://doi.org/10.4103/0974-8490.129041

20. Samuel Oppong Bekoe, Søren Alex Bak, Erland Björklund, Kristine A. Krogh, Nathaniel N. N. A. Okine, **Reimmiel K. Adosraku**, Bjarne Styrishave, Martin Hansen (2014). Determination of thirteen antibiotics in drug products – A new LC-MS/MS tool for screening drug product quality. *Analytical Methods*. https://doi.org/10.1039/c4ay00748d

21. A. Y. Mensah, P. J. Houghton, G. N. A. Akyirem, T. C. Fleischer, M. L. K. Mensah, K. Sarpong, **R. Adosraku** (2004). Evaluation of the antioxidant and free radical scavenging properties of Secamone afzelii Rhoem. *Phytotherapy Research*. https://doi.org/10.1002/ptr.1614

22. Peter A. Lemaire, **Reimmel K. Adosraku** (2002). An HPLC method for the direct assay of the serotonin precursor, 5-hydroxytrophan, in seeds of Griffonia simplicifolia. *Phytochemical Analysis*. https://doi.org/10.1002/pca.659

Book chapters 1

1. Ahimsa Yamoah, **Reimmel K Adosraku**, Justice D Amenu, Michael K Baah, Daniel A Abaye (2020). Evaluation of the Haematinic Activities of Extracts of Justicia secunda Vahl Leaves in Red Blood Cells of Laboratory Rats. *Vide Leaf, Hyderabad eBooks*. https://doi.org/10.37247/pabsc.1.2020.19