Martins Ekor

Professor · Pharmacology
University of Cape Coast

ORCID 0000-0002-4683-0988 · Google Scholar scholar.google.com/citations?user=jrH8VfwAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/9afc03aa-3167-478f-bc5e-9cc8003ad4ec

RESEARCH

Interests	Pharmacology and Toxicology
Areas	Pharmacology · Public Health, Environmental and Occupational Health · Plant Science · Complementary and alternative medicine · Food Science · Health, Toxicology and Mutagenesis

RESEARCH SUMMARY

82	5,167	19	34	4.91	14%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 82 publications listed below, 1970–2026. Field-weighted impact is the mean over the 64 works scored for it; 1.00 is the world average for works of the same field, type and year. 9 of the 64 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

University of Cape Coast
Department of Pharmacology, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD
University of Ibadan, Ibadan, Nigeria

PUBLICATIONS

Journal articles 79

1. Oluwafemi Ezekiel Kale, Miyase Gözde Gündüz, Ifabunmi Oduyemi Osonuga, Olufunsho Awodele, **Martins Ekor** (2026). A new 1,4-dihydropyridine-based L-/T-type calcium channel inhibitor, provides in-vivo and silico cardioprotective effects in doxorubicin toxicity in rats. *Human & Experimental Toxicology*. https://doi.org/10.1177/09603271261446916
2. Stephen Mensah Arhin, Isaac Tabiri Henneh, Kwasi Sobre Nkrumah, Ewura Seidu Yahaya, Phyllis Elsie Owusu Agyei, Meshack Antwi-Adjei, **Martins Ekor** (2026). Medication error reporting in Ghana: A multicenter assessment of healthcare professionals' knowledge, attitudes and practices. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0335116
3. Stephen Mensah Arhin, Isaac Tabiri Henneh, Theodora Dedo Azu, Joseph Arhin, Kwasi Sobre Nkrumah, Meshack Antwi-Adjei, Ewura Seidu Yahaya, Phylis Elsie Owusu Agyei, Emmanuel Nkrumah, Frank Osei-Poku, James Kojo Prah, Kwesi Boadu Mensah, **Martins Ekor** (2026). Medication errors and medication error reporting practices in Ghana: a systematic review. *Therapeutic Advances in Drug Safety*. https://doi.org/10.1177/20420986261444513
4. Stephen Mensah Arhin, Isaac Tabiri Henneh, Joseph Arhin, James Kojo Prah, Emmanuel Nkrumah, Oluwayemisi Esther Ekor, Kwesi Boadu Mensah, **Martins Ekor** (2026). Pain Experience and Patient-Reported Barriers to Analgesic Use in Emergency Care in Ghana: A Cross-Sectional Study. *Health Science Reports*. https://doi.org/10.1002/hsr2.72135
5. Henneh, Isaac, Ameyaw, Elvis, Bineya, Robert, Armah, Francis, Obese, Ernest, Konjah, Daniels, Otumi,

Eric, **Ekor, Martins** (2026). Ziziphus abyssinica hydro-ethanolic root bark extract attenuates acute inflammation possibly through membrane stabilization and inhibition of protein denaturation and neutrophil degranulation. *West African Journal of Pharmacy*. https://doi.org/10.82351/wajp.vol29no2.463

6. Nicholas Ekow Thomford, Oksana Ryabinina, Joel Adu Twum, John Anyimadu, Samuel Badu Nyarko, Akwasi Anyanful, **Martins Ekor**, George Boateng Kyei (2025). Cohort profile: the pharmacogenomics and pharmacokinetics study in Ghanaian HIV patients (GenoPharm-GH). *BMC Genomic Data*. https://doi.org/10.1186/s12863-025-01369-4
7. Stephen Mensah Arhin, Kwesi Boadu Mensah, Isaac Tabiri Henneh, Felix Yirdong, Evans Kofi Agbeno, Charles Ansah, **Martins Ekor** (2025). Coping strategies of Ghanaian couples after unsuccessful infertility treatment: An exploratory qualitative study. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0326923
8. Nicholas Ekow Thomford, Tracy Kellermann, Joel Adu Twum, John Anyimadu, Charné Dixon, Dennis Sappor, Dee Blackhurst, Prince Amoah Barnie, Oksana Ryabinina, Samuel Badu Nyarko, Robert Peter Biney, **Martins Ekor**, George B. Kyei (2025). Drug-drug interaction between dolutegravir and artemether-lumefantrine in HIV and malaria mono- and co-infections: a pharmacogenetic analysis from Ghana. *AIDS Research and Therapy*. https://doi.org/10.1186/s12981-025-00787-9
9. Joseph Acquah-Mills, Isaac Tabiri Henneh, Stephen Mensah Arhin, **Martins Ekor** (2025). The prevalence, pattern of use and impact of traditional, complementary and alternative medicine (TCAM) among patients with end stage renal disease undergoing haemodialysis at a tertiary health facility in Ghana. *Clinical Traditional Medicine and Pharmacology*. https://doi.org/10.1016/j.ctmp.2025.200232
10. Isaac Henneh, Fabao Zhao, Robert P. Biney, Kofi Boateng, Leticia Agbesi, Fracis A. Armah, **Martins Ekor**, Boshi Huang (2025). β-Amyrin's Antidepressant-Like Activity in Mice and Zebrafish: Mechanistic Pathways and In Silico Molecular Interactions (Abstract ID: 169408). *Journal of Pharmacology and Experimental Therapeutics*. https://doi.org/10.1016/j.jpet.2024.100850
11. Isaac T. Henneh, Isaac Y. Attah, Silas A. Osei, Ernest Obese, Robert Peter Biney, Francis A. Armah, Elvis O. Ameyaw, Janet Agyen Donkor, Sarah Mensah, **Martins Ekor** (2024). In silico, in vitro and in vivo antiplasmodial activity of β-amyrin and its potential synergistic effect when co-administered with artesunate. *Journal of Pharmacology and Experimental Therapeutics*. https://doi.org/10.1124/jpet.080.915660
12. Ewura Seidu Yahaya, Jesse Azebiik Anak, Nana Ama Amissah, Collins Obuah, Phyllis Elsie Owusu Agyei, Roland Osei Saahene, Michael Ainooson, Anthony Ablordey, **Martins Ekor** (2024). In vitro antibacterial and synergistic activity of pyrazolyl sulphonamide derivatives against Staphylococcus haemolyticus. *Journal of Applied Pharmaceutical Research*. https://doi.org/10.69857/joapr.v12i5.658
13. Nicholas Ekow Thomford, Tracy Kellermann, Robert Peter Biney, Charné Dixon, Samuel Badu Nyarko, Richmond Owusu Ateko, **Martins Ekor**, George B. Kyei (2024). Therapeutic efficacy of generic artemether–lumefantrine in the treatment of uncomplicated malaria in Ghana: assessing anti-malarial efficacy amidst pharmacogenetic variations. *Malaria Journal*. https://doi.org/10.1186/s12936-024-04930-1
14. Isaac Henneh, Robert Biney, Silas Acheampong, Ernest Obese, Francis Armah, Elvis Ameyaw, **Martins Ekor** (2023). ANTI-EPILEPTOGENIC ACTIVITY OF ZIZIPHUS ABYSSINICA ROOT BARK EXTRACT AND ITS ISOLATED BIOACTIVE COMPOUND, B-AMYRIN. *IBRO Neuroscience Reports*. https://doi.org/10.1016/j.ibneur.2023.08.1145
15. Nicholas Ekow Thomford, Akwasi Anyanful, Richmond Owusu Ateko, Dee Blackhurst, Robert Peter Biney, Dennis Boadi, Samuel Badu Nyarko, **Martins Ekor**, George Boateng Kyei (2023). Apolipoprotein E genetic variation, atherogenic index and cardiovascular disease risk assessment in an African population: An analysis of HIV and malaria patients in Ghana. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0284697
16. Julianne Frimpomaa Powell, Isaac Tabiri Henneh, **Martins Ekor** (2023). Knowledge, attitude and practice of physicians and nurses at the cape coast teaching hospital in the Central Region of Ghana on spontaneous adverse drug reaction reporting. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0288100
17. Adesina O Odewabi, Romoke S Ajibola, Kolawole S Oritogun, **Martins Ekor** (2023). Levels of Clara cell secretory protein and surfactant protein A in municipal solid waste management workers in Ibadan, Southwest Nigeria. *Toxicology and Industrial Health*. https://doi.org/10.1177/07482337231169085

18. Nicholas Ekow Thomford, Fiifi Ndom Dampson, George Adjei, Sebastian Eliason, **Martins Ekor**, George Boateng Kyei (2023). Psychometric assessment of HIV stigma in patients attending a tertiary facility: An initial validation of the Berger HIV stigma scale in a Ghanaian perspective. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0282193

19. Oluwafemi E. Kale, Miyase G. Gündüz, Olufunsho Awodele, Olubunmi Osonuga, **Martins Ekor** (2022). Novel HM12, A Selective Inhibitor of L-/T-type Calcium Channels, Averts Doxorubicin Cardiotoxicity in Male Wistar Rats. *The FASEB Journal*. https://doi.org/10.1096/fasebj.2022.36.s1.r4115

20. Esther Sarpong, Desmond Omane Acheampong, George Nkansah Rost Fordjour, Akwasi Anyanful, Enoch Aninagyei, Derek A. Tuoyire, Dee Blackhurst, George Boateng Kyei, **Martins Ekor**, Nicholas Ekow Thomford (2022). Zero malaria: a mirage or reality for populations of sub-Saharan Africa in health transition. *Malaria Journal*. https://doi.org/10.1186/s12936-022-04340-1

21. Isaac Tabiri Henneh, Wisdom Ahlidja, John Alake, Augustine Kwabil, Mustapha Abubakar Ahmed, Baffour Kyei-Asante, Michael Buenor Adinortey, **Martins Ekor**, Francis Ackah Armah (2022). Ziziphus abyssinica root bark extract ameliorates paracetamol-induced liver toxicity in rats possibly via the attenuation of oxidative stress. *Toxicology Reports*. https://doi.org/10.1016/j.toxrep.2022.10.012

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23. **Martins Ekor**, Phyllis Elsie Owusu Agyei, Ernest Obese, Robert Peter Biney, Isaac Tabiri Henneh, Meshack Antwi-Adjei, Ewura Seidu Yahaya, Gordon Amoakohene, Patrick Kafui Akakpo (2021). Celecoxib exhibits therapeutic potential in experimental model of hyperlipidaemia. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0247735

24. Douglas Bosco Aidoo, Daniels Konja, Isaac Tabiri Henneh, **Martins Ekor** (2021). Protective Effect of Bergapten against Human Erythrocyte Hemolysis and Protein Denaturation In Vitro. *International Journal of Inflammation*. https://doi.org/10.1155/2021/1279359

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27. Isaac T. Henneh, Phyllis E. Owusu Agyei, Ernest Obese, Robert P. Biney, Meshack Antwi-Adjei, Ewura S. Yahaya, Ernest Asiamah, Joseph Acquah-Mills, Douglas O. Boateng, **Martins Ekor** (2020). Leaf and root bark extracts of Ziziphus abyssinica Hochst ex. A. Rich (Rhamnaceae) ameliorate hepatic, renal and splenic injuries induced by phenylhydrazine in rats. *Journal of Basic and Clinical Physiology and Pharmacology*. https://doi.org/10.1515/jbcpp-2020-0111

28. Oluwafemi Ezekiel Kale, Miyase Gözde Gündüz, Babafemi Tosin Ogunbiyi, Temitope Funmi Ogundare, **Martins Ekor**, Olufunsho Awodele (2020). M3, a 1,4-Dihydropyridine Derivative and Mixed L-/T-Type Calcium Channel Blocker, Attenuates Isoproterenol-Induced Toxicity in Male Wistar Rats. *Cardiovascular Toxicology*. https://doi.org/10.1007/s12012-020-09587-1

29. **Martins Ekor**, B Arko-Boham, Elvis O Ameyaw, A Banunle, Robert P Biney, Evans Asenso, Isaac T Henneh, Ama K Thomford, Madison Adanusa (2020). Scientific African. *Carbon*. https://www.researchgate.net/profile/Hamza-Zine/publication/346551011_Guidelines_for_a_phytomanagement_plan_by_the_phytostabilization_of_mining_wastes/links/5fcfd13392851c00f85f0f28/Guidelines-for-a-phytomanagement-plan-by-the-phytostabilization-of-mining-wastes.pdf

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42. Oluwafemi E. Kale, Olufunsho Awodele, Temitope F. Ogundare, **Martins Ekor** (2017). Amlodipine, an L-type calcium channel blocker, protects against chlorpromazine-induced neurobehavioural deficits in mice. *Fundamental and Clinical Pharmacology*. https://doi.org/10.1111/fcp.12267
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