Ernest Obese

Senior Lecturer · Pharmacology
University of Cape Coast

ORCID 0000-0001-6903-7774 · Google Scholar scholar.google.com/citations?user=0rK5vU8AAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/ee5a1bc1-b1a6-43f1-ab76-69fb8366449f

RESEARCH

Interests	Pain and Inflammation · CNS Pharmacology · Natural product pharmacology · Drug delivery systems
Areas	Plant Science · Pharmacology · Food Science · Molecular Biology · Complementary and alternative medicine · Biomaterials

RESEARCH SUMMARY

42	349	12	12	0.92	10%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 42 publications listed below, 1994–2026. Field-weighted impact is the mean over the 30 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 30 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Dr. 2012–present
Pharmacology, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD 2014–2019
Pharmacology, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

MPhil 2010–2012
Pharmaceutics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana

PUBLICATIONS

Journal articles 40

1. 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
2. Benjamin Amoani, B Aboagye, **E Obese**, Elvis Ofori Ameyaw, EA Adakudugu (2025). In vitro antioxidant and antiarthritic effects of Persicaria lanigera R. Br. Sojak (Polygonaceae) leaf extract in complete Freund's Adjuvant-induced rheumatoid arthritis model .... *Pharmacological Research-Natural Products*. https://www.sciencedirect.com/science/article/pii/S2950199725000114
3. **Ernest Obese**, Douglas Arthur, Oluwayemisi Esther Ekor, Ivan Eduku Mozu, Ransford Kumah, James Kojo Prah, Jerry Kwesi Kumah Eshun, Kwame Ofori, Mawuli Kotope Gyakobo, Elvis Ofori Ameyaw (2025). Prevalence and management of pain disorders among patients of different stages of life at cape coast teaching hospital, Ghana. *Journal of Pain Research and Management*. https://doi.org/10.46439/painresearch.1.009
4. Isaac Yaw Attah, Benjamin Amoani, Daniel Anokwah, Maame Yaa Adomah Aboagye, **Ernest Obese**, Robert Peter Biney (2025). The anti-schistosomal activity of Rauwolfia vomitoria and its isolates: Cytotoxicity and

isobolographic studies. *Journal of Phytomedicine and Therapeutics*. https://doi.org/10.4314/jopat.v24i2.7

5. Douglas Arthur, Oluwayemisi Esther Ekor, Kofi Nyanor Amoh, Constance Caroline Cobbold, **Ernest Obese**, Kwasi Antwi Koranteng, Mawuli K. Gyakobo, Philip Afful, Elvis Ofori Ameyaw (2025). Urological Emergencies Seen at a Tertiary Hospital in Central Region of Ghana. *Open Journal of Urology*. https://doi.org/10.4236/oju.2025.158037
6. 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
7. Meshack Antwi-Adjei, **Ernest Obese**, Emmanuel Awintiig Adakudugu, Benjamin Aboagye, Daniel Anokwah, Akua Afriyie Karikari, Roberta Antwi-Adjei, Elvis Ofori Ameyaw (2024). Persicaria lanigera (Polygonaceae) leaf extract exhibits antiulcerogenic and antiproliferative activities against acetic acid-induced ulcerative colitis and cotton pellet-induced granuloma tissue in rats. *Asian Pacific Journal of Tropical Biomedicine*. https://doi.org/10.4103/apjtb.apjtb_286_24
8. 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
9. Daniel Anokwah, Evelyn Asante-Kwatia, Jonathan Asante, Daniel Obeng-Mensah, Cynthia Amaning Danquah, Isaac Kingsley Amponsah, Elvis Ofori Ameyaw, Robert Peter Biney, **Ernest Obese**, Lukas Oberer, Daniel Gyamfi Amoako, Akebe Luther King Abia, Abraham Yeboah Mensah (2023). Antibacterial, Resistance Modulation, Anti-Biofilm Formation, and Efflux Pump Inhibition Properties of Loeseneriella africana (Willd.) N. Halle (Celastraceae) Stem Extract and Its Constituents. *Microorganisms*. https://doi.org/10.3390/microorganisms12010007
10. **Ernest Obese**, E Asante-Kwatia, J Asante, D Obeng-Mensah, CA Danquah, Elvis Ofori Ameyaw (2023). Antibacterial, Resistance Modulation, Anti-Biofilm Formation, and Efflux Pump Inhibition Properties of Loeseneriella africana (Willd.) N. Halle (Celastraceae) Stem …. *Microorganisms*. https://www.mdpi.com/2076-2607/12/1/7
11. Meshack Antwi-Adjei, **Ernest Obese**, Emmanuel Awiintig Adakudugu, Isaac Tabiri Henneh, Robert Peter Biney, Benjamin Aboagye, Benjamin Amoani, Daniel Anokwah, Elvis Ofori Ameyaw (2023). Modulating Effects of the Hydroethanolic Leaf Extract of Persicaria lanigera R. Br. Soják (Polygonaceae) against Acute Inflammation. *The Scientific World JOURNAL*. https://doi.org/10.1155/2023/5567410
12. Daniel Anokwah, Evelyn Asante-Kwatia, Yakubu Jibira, Isaac Kingsley Amponsah, Samuel Kyei, Grace Pinkrah Cobbold, Benjamin Adzekey, **Ernest Obese**, Elvis Ofori Ameyaw, Robert Peter Biney, Abraham Yeboah Mensah (2023). Pharmacognostic study, anti-inflammatory and, antioxidant activities of Loeseneriella africana. *South African Journal of Botany*. https://doi.org/10.1016/j.sajb.2023.03.027
13. **Ernest Obese** (2022). Cytokine Inhibition of Il-6 and TNF- α Accounts for The Amelioration of Cotton Pellet-Induced Tissue Granuloma Formation in Sprague-Dawley Rats by The Aqueous Ethanolic Stem …. *International Journal of Pharmacy and Pharmaceutical Research*.
14. Daniel Anokwah, Evelyn Asante Kwatia, Isaac Kingsley Amponsah, Yakubu Jibira, Benjamin Kingsley Harley, Elvis Ofori Ameyaw, **Ernest Obese**, Robert Peter Biney, Abraham Yeboah Mensah (2022). Evaluation of the anti-inflammatory and antioxidant potential of the stem bark extract and some constituents of Aidia genipiflora (DC.) dandy (rubiaceae). *Heliyon*. https://doi.org/10.1016/j.heliyon.2022.e10082
15. Desmond Omane Acheampong, **Ernest Obese**, Robert Peter Biney, Benjamin Amoani, Emmanuel A Adakudugu, Paulina Ampomah, Elvis O Ameyaw (2022). In Vitro and In Vivo Antiplasmodial Activity and Safety Profile of Hydroethanolic Leaf Ex-tract of Calotropis Procera (Ait) R. Br.(Apocynaceae). *Annals of Pharma Research*. https://annalsofpharmaresearch.com/index.php?journal=apr&page=article&op=view&path%5B%5D=70
16. Mary A. Agbenyeku, Regina Appiah-Opong, **Ernest Obese**, Robert P. Biney, Emmanuel A. Adakudugu,

Arnold D. Forkuo, Silas A. Osei, Mustapha K. Abeka, Elvis O. Ameyaw (2022). In Vitro and In Vivo Effect of Xylopic Acid on Cytochrome P450 Enzymes. *Advances in Pharmacological and Pharmaceutical Sciences*. https://doi.org/10.1155/2022/4524877

17. **Ernest Obese**, Elvis O. Ameyaw, Robert P. Biney, Isaac T. Henneh, Nora Jackson, Daniel Anokwah, Augustine Brah, Esther E. Oppong, Emmanuel A. Adakudugu (2021). A Hydroethanolic Leaf Extract of Persicaria lanigera Possesses Antinociceptive Activity through Cytokine and Glutamatergic Pathways In Vivo. *Evidence-based Complementary and Alternative Medicine*. https://doi.org/10.1155/2021/5586789
18. Isaac Tabiri Henneh, Francis Ackah Armah, Elvis Ofori Ameyaw, Robert Peter Biney, **Ernest Obese**, Eric Boakye-Gyasi, Emmanuel Awintiig Adakudugu, Martins Ekor (2021). Analgesic Effect of Ziziphus abyssinica Involves Inhibition of Inflammatory Mediators and Modulation of KATP Channels, Opioidergic and Nitrergic Pathways. *Frontiers in Pharmacology*. https://doi.org/10.3389/fphar.2021.714722
19. **Ernest Obese**, Robert P. Biney, Isaac T. Henneh, Daniel Anokwah, Emmanuel A. Adakudugu, Eric Woode, Elvis O. Ameyaw (2021). Antinociceptive effect of the hydroethanolic leaf extract of Calotropis procera (Ait) R. Br. (Apocynaceae): Possible involvement of glutamatergic, cytokines, opioidergic and adenosinergic pathways. *Journal of Ethnopharmacology*. https://doi.org/10.1016/j.jep.2021.114261
20. 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
21. Elvis Ofori Ameyaw, **Ernest Obese**, Du-Bois Asante, Robert P. Biney, Akua A. Karikari, Emmanuel A. Adakudugu, Bright G. Dzotefe, Maddison Adanusa (2021). Effect of xylopic acid on alloxan-induced diabetic neuropathy in rats. *International Journal of Basic & Clinical Pharmacology*. https://doi.org/10.18203/2319-2003.ijbcp20211011
22. Benjamin Amoani, Samuel A. Sakyi, Richard Mantey, Edwin F. Laing, Richard D. Ephraim, Osei Sarfo-Katanka, Simon Koffie, **Ernest Obese**, Bright Oppong Afranie (2021). Increased metformin dosage suppresses pro-inflammatory cytokine levels in systemic circulation and might contribute to its beneficial effects. *Journal of Immunoassay and Immunochemistry*. https://doi.org/10.1080/15321819.2020.1862861
23. **Ernest Obese**, Elvis Ofori Ameyaw, Robert Peter Biney, Emmanuel Awintiig Adakudugu, Eric Woode (2021). Neuropharmacological Assessment of the Hydroethanolic Leaf Extract of Calotropis procera (Ait). R. Br. (Apocynaceae) in Mice. *Scientifica*. https://doi.org/10.1155/2021/5551380
24. Esther Eshun Oppong, Noble Kuntworbe, Yaa Asantewaa Osei, Kwabena Ofori-Kwakye, Ofosua Adi-Dako, **Ernest Obese** (2021). Physicochemical characterisation of Piptadeniastrum africana (Hook. F.) gum, a potential pharmaceutical excipient. *Scientific African*. https://doi.org/10.1016/j.sciaf.2021.e00925
25. Esther Eshun Oppong, **Ernest Obese**, Robert Peter Biney, Pearlmond Agbalekpor, Priscilla A. Hanson, Maame Y. A. Aboagye, Emmanuel A. Adakudugu, Madison Adanusa, Richard Pinkrah, Anasthasia O. Adomah, Silas A. Osei, Elizabeth N. Oge, Mary A. Agbenyeku, Elvis O. Ameyaw (2021). Spectrum of anxiety and depression reported in reproductive-aged women diagnosed with gynaecological disorders at a tertiary healthcare facility in Ghana. *International Journal of Basic & Clinical Pharmacology*. https://doi.org/10.18203/2319-2003.ijbcp20213358
26. **Ernest Obese**, Robert Peter Biney, Isaac Tabiri Henneh, Emmanuel Awintiig Adakudugu, Daniel Anokwah, Lovia Serwaa Agyemang, Eric Woode, Elvis Ofori Ameyaw (2021). The Anticonvulsant Effect of Hydroethanolic Leaf Extract of Calotropis procera (Ait) R. Br. (Apocynaceae). *Neural Plasticity*. https://doi.org/10.1155/2021/5566890
27. Silas Acheampong Osei, Robert Peter Biney, **Ernest Obese**, Mary Atta-Panyi Agbenyeku, Isaac Yaw Attah, Elvis Ofori Ameyaw, Johnson Nyarko Boampong (2021). Xylopic acid-amodiaquine and xylopic acid-artesunate combinations are effective in managing malaria in Plasmodium berghei-infected mice. *Malaria Journal*. https://doi.org/10.1186/s12936-021-03658-6
28. Elizabeth N. Oge, **Ernest Obese**, Robert P. Biney, Emmanuel Adakudugu, Mary Agbenyeku, Silas A. Osei, Maria B. Cassera, Ana Lisa Valenciano, Emilio F. Merino, Johnson N. Boampong, Eric Woode, Madison Adanusa, Elvis O. Ameyaw (2020). A review of pharmacological effects of xylopic acid. *International Journal of Basic & Clinical Pharmacology*. https://doi.org/10.18203/2319-2003.ijbcp20201765

29. Emmanuel A. Adakudugu, David D. Obiri, Elvis O. Ameyaw, **Ernest Obese**, Robert P. Biney, Douglas B. Aidoo, Isaac T. Henneh, Elizabeth N. Oge, Ama K. Thomford, Madison Adanusa (2020). Bergapten modulates ovalbumin-induced asthma. *Scientific African*. https://doi.org/10.1016/j.sciaf.2020.e00457

30. Robert P. Biney, Phyllis E. Owusu Agyei, Elvis O. Ameyaw, John K. Afortude, Isaac T. Henneh, **Ernest Obese**, Samuel Badu Nyarko, Martins Ekor (2020). Effects of three herb-based alcoholic beverages manufactured in Ghana on sperm characteristics and reproductive hormones in rats. *Scientific African*. https://doi.org/10.1016/j.sciaf.2020.e00316

31. 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

32. Emmanuel A. Adakudugu, Elvis O. Ameyaw, **Ernest Obese**, Robert P. Biney, Isaac T. Henneh, Douglas B. Aidoo, Elizabeth N. Oge, Isaac Y. Attah, David D. Obiri (2020). Protective effect of bergapten in acetic acid-induced colitis in rats. *Heliyon*. https://doi.org/10.1016/j.heliyon.2020.e04710

33. Augustina Angelina Sylverken, B Arko-Boham, Elvis O Ameyaw, **Ernest Obese**, 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

34. **Ernest Obese**, Elvis Ameyaw, Robert Biney, Isaac Henneh, Fred Edzeamey, Eric Woode (2018). Phytochemical Screening and Anti-Inflammatory Properties of the Hydroethanolic Leaf Extract of Calotropis procera (Ait). R. Br. (Apocynaceae). *Journal of Pharmaceutical Research International*. https://doi.org/10.9734/jpri/2018/42529

35. I Henneh, E Ameyaw, F Armah, **E Obese**, Martins Ekor (2018). Ziziphus abyssinica hydro-ethanolic root bark extract attenuates acute inflammation possibly through membrane stabilization and inhibition of protein denaturation and …. *West African Journal of Pharmacy*. https://www.wapcpjournal.org.ng/index.php/home/article/download/463/291

36. Kukuia Kennedy Kwami Edem, Boampong Johnson Nyarko, Samuel Kyei, Annane Rex Frimpong, **Ernest Obese** (2014). Ethanolic Root Extract of Jatropha curcas L. relieves Hyperalgesia in Arthritis Model in Rats. *Scholar Science Journals - International Journal of Biomedical Research*. https://doi.org/10.7439/ijpr.v4i1.64

37. Collins Osei-Sarpong, JN Boampong, Kennedy K.E. Kukuia, P Amoateng, **E Obese** (2013). Effect of xylopic acid on paclitaxel-induced neuropathic pain in rats. *Journal of Medical and Biomedical Sciences*. https://www.ajol.info/index.php/jmbs/article/view/101909

38. BPharm Christian Agyare, **E Obese**, ME Boakye-Gyasi (2013). Formulation and in-vitro evaluation of sustained release diclofenac sodium matrix tablets using blends of cashew gum, xanthan gum and hydroxypropylmethylcellulose as …. *Indian Journal of Novel Drug Delivery*. https://ir.ucc.edu.gh/items/4b445b03-793c-424f-9d34-b4df0c97ca89

39. **E OBESE**, ME BOAKYE-GYASI (2013). Indian Journal of Novel Drug Delivery. *Indian Journal of Novel Drug Delivery*. https://www.ijndd.in/Articles/Volume_05/bkdjnhiugrhvjhiygvdbiug/Issue_4/2.%20Research%20article_IJNDD%20Oct-Dec%202013_187-197_K.%20OFORI-KW.pdf

40. **EY Obese** (1994). Effect of diet and stages of pregnancy on blood chemistry and hematology of Djallonke sheep fed diets containing various levels of cocoa pod husk. *Ghana J. Biochem. Mol. Biol*. https://scholar.google.com/scholar?cluster=7985947530715455588&hl=en&oi=scholarr

Reports 1

1. Akwasi Acheampong, AFA Marfo, A Brobbey, AO Antwi, MK Baah, **Ernest Obese**, Gordon A Awandare (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. **Ernest Obese** (2019). Antinociceptive, anti-inflammatory and anticonvulsant evaluation of the hydroethanolic leaf extract of calotropis procera (ait) r. Br.(apocynaceae). *KNUST*. https://scholar.google.com/scholar?cluster=12483358572410885 09&hl=en&oi=scholarr