# Isaac YAW Attah

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## RESEARCH

| | |
|---|---|
| Interests | Medicinal Chemistry · Analytical Chemistry · Antiinfectives Drug Discovery · Neglected Tropical Diseases |
| Areas | Food Science · Pharmaceutical Science · Complementary and alternative medicine · Pharmacology · Clinical Biochemistry · General Health Professions |

## RESEARCH SUMMARY

| 17 | 253 | 7 | 5 | 1.06 | 13% |
|---|---|---|---|---|---|
| Publications | Citations | h-index | i10-index | Field-weighted impact | World top 10% |

Counted from the 17 publications listed below, 2013–2026. Field-weighted impact is the mean over the 8 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 8 papers scored for it are among the world's most cited tenth for their field, type and year.

## PUBLICATIONS

### Journal articles 15

1. Barbara Adu-Brimpong, Abena Amponsaa Brobbey, Joseph Kwasi Adu, John Nii Addotey, Mustapha Kobina Abeka, **Isaac Yaw Attah** (2026). Determination of 5-Hydroxymethylfurfural Content in Marketed Honey: A Modified RP-HPLC Method. *International Journal of Analytical Chemistry*. https://doi.org/10.1155/ianc/9780039
2. Mary-Ann Archer, Kwabena Ofori-Kwakye, Raphael Johnson, **Isaac Yaw Attah**, Frederick William Akuffo Owusu, Prince George Jnr Acquah, Samuel Lugrie Kipo (2026). Investigation of the drug release modifying property of Pentadesma butyracea gum in diclofenac sodium matrix tablets. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0341668
3. Mary-Ann Archer, Kwabena Ofori-Kwakye, Raphael Johnson, **Isaac Yaw Attah**, Samuel Lugrie Kipo, Mariam El Boakye-Gyasi, Frederick William Akuffo Owusu, Emmanuel Awintiig Adakudugu, Doris Kumadoh (2025). Evaluation of the binder effect of Pentadesma butyracea gum on the mechanical characteristics of paracetamol tablets. *Scientific African*. https://doi.org/10.1016/j.sciaf.2025.e03147
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. 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
6. **ISAAC YAW ATTAH**, Mary-Ann Archer (2023). Batch-to-batch consistency in the quality attributes of a phyto-pharmaceutical MA001 used to treat typhoid in Ghana. *Journal of Medical and Biomedical Sciences*. https://www.ajol.info/index.php/jmbs/article/download/249509/238639
7. Frederick William Akuffo owusu, K Ofori-Kwakye, R Johnson, **Isaac Yaw Attah**, Emmanuel Adakudugu (2023). C41-Investigation of the binding properties of purified Pentadesma butyracea gum: Anatural alternative to a synthetic polymer. *Journal Africain de Technologie Pharmaceutique et Biopharmacie (JATPB)*.

https://www.soapgi-jatpb.org/index.php/jatpb/article/view/72

8. Ofosua Adi-Dako, Frederick William Akuffo Owusu, **Isaac Yaw Attah**, Doris Kumadoh, PG Acquah Jnr, Issaka Nelson, Nii Odartey Hutton-Mills, Karen Yaa Yeboaa Obese, Joseph Adusei Sarkodie, Benoit Banga N'guessan, Awo Afi Kwapong, Christina Osei-Asare, Emmanuel Adase, Mary-Ann Archer (2023). Development of Modified-Release Diclofenac Sodium Capsules Using Blends of Pectin-Clay Multiparticulate Hybrid Systems as Release Retardants. *Journal of Chemistry*. https://doi.org/10.1155/2023/8384739
9. **Isaac Attah** (2022). Discovery of P2Y2 Receptor Antagonist Scaffolds through Virtual High-Throughput Screening. *Journal of chemical information and modeling*. https://doi.org/10.1021/acs.jcim.1c01235
10. 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
11. **Isaac Y Attah** (2020). Ligand binding and activation of UTP-activated G protein-coupled P2Y2 and P2Y4 receptors elucidated by mutagenesis, pharmacological and computational studies. *Biochimica et Biophysica Acta (BBA)-General Subjects*. https://www.sciencedirect.com/science/article/pii/S0304416519302909
12. 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
13. **Isaac Yaw Attah** (2019). Adenine-(methoxy)-ethoxy-Pα,α-dithio-triphosphate inhibits pathologic calcium pyrophosphate deposition in osteoarthritic human chondrocytes. *Organic & Biomolecular Chemistry*. https://pubs.rsc.org/ob/article-abstract/17/46/9913/655193
14. **Isaac Y Attah** (2017). Synthesis, characterization, and in vitro evaluation of the selective P2Y2 receptor antagonist AR-C118925. *Purinergic signalling*. https://doi.org/10.1007/s11302-016-9542-3
15. JO Kyekyeku, **IY Attah** (2013). Characterization and HPLC quantification of piperine isolated from Piper guineense (fam. Piperaceae). *Int J Pharm Pharm Sci*. https://hero.epa.gov/reference/8317217/

### Conference papers 1

1. **Isaac Attah** (2018). MOLECULAR RECOGNITION OF AGONISTS AND ANTAGONISTS BY G PROTEIN-COUPLED P2Y2 AND P21-4 RECEPTORS. *PURINERGIC SIGNALLING*. https://scholar.google.com/scholar?cluster=8646281514921611164&hl=en&oi=scholarr

### Theses 1

1. **Isaac Yaw Attah** (2019). Discovery and characterization of P2Y2 receptor antagonists supported by site-directed mutagenesis studies. *Universitäts-und Landesbibliothek Bonn*. https://bonndoc.ulb.uni-bonn.de/xmlui/handle/20.500.11811/7887