

Mustapha Kobina Abeka

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RESEARCH

Interests Organic and Medicinal Chemistry

Areas Biochemistry · Biological Psychiatry · Plant Science · Behavioral Neuroscience · Cell Biology · Clinical Biochemistry

RESEARCH SUMMARY

6	7	2	0	0.46	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 6 publications listed below, 2022–2026. Field-weighted impact is the mean over the 5 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 5 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

University of Cape Coast
Pharmaceutical Chemistry, Cape Coast, Ghana

PUBLICATIONS

Journal articles 6

1. Mustapha K Abeka (2026). B(C6F5)3-Catalyzed, Metal-Free Reduction of Diselenides and Ditellurides, and One-Pot Syntheses of O,Se-Acetals, Selenoesters, Selanylketones, and Telluroesters. *The Journal of Organic Chemistry*. <https://doi.org/10.1021/acs.joc.6c00225>
2. Charles Kwaku Benneh, Wonder Kofi Mensah Abotsi, Aliu Moomin, Robert Peter Biney, Japhat Opoku Ofori, Mustapha Kobina Abeka, Augustine Tandoh, Donatus Wewura Adongo, Eric Woode (2026). Deacetyl xylopic acid exhibits synergistic antidepressant-like effects and augments fluoxetine activity in a chronic restraint-induced depression model in mice. *Naunyn-Schmiedeberg's Archives of Pharmacology*. <https://doi.org/10.1007/s00210-026-05501-8>
3. 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>
4. Charles Kwaku Benneh, Wonder Kofi Mensah Abotsi, Priscilla Kolibea Mante, Robert Peter Biney, John Peter Fetse, Mustapha Kobina Abeka, Donatus Wewura Adongo, Eric Woode (2025). Evidence for the anxiolytic- and antidepressant-like effects of three semi-synthetic derivatives of xylopic acid in mice. *Naunyn-Schmiedeberg's Archives of Pharmacology*. <https://doi.org/10.1007/s00210-025-03814-8>
5. Charles Kwaku Benneh, Wonder Kofi Mensah Abotsi, Robert Peter Biney, Priscilla Kolibea Mante, Mustapha Kobina Abeka, Augustine Tandoh, Eric Woode (2024). Synergistic antidepressant-like effect of xylopic acid co-administered with selected antidepressants. *IBRO Neuroscience Reports*. <https://doi.org/10.1016/j.ibneur.2024.01.011>
6. 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>