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 Ofosu, **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