Dr. Bright Ankudze

Department of Chemistry Education
University of Education, Winneba

ORCID 0000-0002-9655-4598 · Profile uew.peerford.com/staff/2a18617b-ce01-4520-b9a9-faa440229548

RESEARCH

Areas: Materials Chemistry · Biomedical Engineering · Complementary and alternative medicine · Education · Food Science · Health, Toxicology and Mutagenesis

RESEARCH SUMMARY

8	38	3	1	0.70	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 8 publications listed below, 2022–2026. Field-weighted impact is the mean over the 7 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 7 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer 2020–present
Chemistry, University of Education Winneba, Winneba, Ghana

PUBLICATIONS

Journal articles 6

1. Israel Ametepey, Kofi N Mpuangnan, **Bright Ankudze** (2026). Impact of text-based flipped instruction on grade 12 students' academic achievement in acid–base concepts. *Edelweiss Applied Science and Technology*. https://doi.org/10.55214/2576-8484.v10i7.13197
2. Benjamin Darko Asamoah, Paul Danyi, Bernice Araba Otoo, Daniel Adusu, **Bright Ankudze** (2024). Contamination Status of Residential and Farmland Surface Soils Within the Sunyani Municipality of Ghana. *Current World Environment*. https://doi.org/10.12944/cwe.19.1.8
3. **Bright Ankudze**, David Neglo, Benjamin Kingsley Harley (2023). Antimicrobial and Biofilm Formation Inhibition Properties of Biogenic Silver Nanoparticles Synthesised Using Tuber Extract of Cyperus esculentus. *BioNanoScience*. https://doi.org/10.1007/s12668-023-01061-w
4. **Bright Ankudze**, David Neglo, Francis Nsiah (2023). Green synthesis of silver nanoparticles from discarded shells of velvet tamarind (Dialium cochinchinense) and their antimicrobial synergistic potentials and biofilm inhibition properties. *BioMetals*. https://doi.org/10.1007/s10534-023-00534-5
5. **Bright Ankudze**, Atta Doreen, David Neglo, Richard Agjei, Benjamin Darko Asamoah (2022). Antioxidant and Antimicrobial Synergistic Properties of Silver Nanoparticles Synthesized with Leaf extract of Pennisetum purpureum. *International Journal of Nanoscience*. https://doi.org/10.1142/s0219581x22500387
6. **Bright Ankudze**, David Neglo (2022). Green synthesis of silver nanoparticles from peel extract of Chrysophyllum albidum fruit and their antimicrobial synergistic potentials and biofilm inhibition properties. *BioMetals*. https://doi.org/10.1007/s10534-022-00483-5

Book chapters 1

1. **Bright Ankudze**, Victus B. Samlafo (2022). Repeated Use of Cyperus esculentus Tubers, Towards Sustainable Green Synthesis of Silver Nanoparticles. *BioNanoScience*. https://doi.org/10.1007/s12668-022-01032-7

Conference papers 1

1. Samuel A. Atarah, Abeeku Edu, Acheampong Owusu, Emmanuel Awuni Kolog, Victoria D. Oklu, Richard O. Agjei, **Bright Ankudze**, Ruby Hanson, Charles K. Assuah, Elock Emvula Shikalepo, Silohenda Hileni Amuthenu, Timoteus Ashipala Sheepo, Sioni Iikela, Alpha Ndeunyema, Tomas Shivolo, Natasa Urbancikova, Oto Hudec, Altti Lagstedt, Siirilä Jani (2026). Exploring the Knowledge-Base and Institutional Integration of the Twin Transition in Higher Education: A Sub-Saharan African Perspective. https://doi.org/10.67725/ist-africa.2026.woay6425