Dr. Charles Essiam

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RESEARCH

Interests	science education · chemistry education · action research
Areas	Education · Global and Planetary Change · Literature and Literary Theory · Pollution · Water Science and Technology

RESEARCH SUMMARY

9	60	3	1	3.47	25%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 9 publications listed below, 2019–2026. Field-weighted impact is the mean over the 4 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 4 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

LECTURER 2018–present
INTEGRATED SCIENCE EDUCATION, University of Education Winneba, Winneba, Ghana

TEACHER 2000–2018
SCIENCE, GHANA EDUCATION SERVICE, AGONA SWEDRU, Ghana

PUBLICATIONS

Journal articles 9

1. Bernice Karikari, Zvorykina U.V, **Charles Essiam** (2026). Integrating Small Modular Reactors (Smrs) Into Africa's Water And Energy Nexus For Sustainable Development. *International Journal of Advances in Signal and Image Sciences*. https://doi.org/10.29284/ijasis.12.1s.2026.421-435
2. **Charles Essiam** (2023). Are Chemistry topics difficult to learn? the stance of Ghanaian senior high school students. *International Journal of New Trends in Arts, Sports & Science Education (IJTASE)*. http://ijtase.net/index.php/php/article/view/131
3. **Charles Essiam** (2022). Effect of computer-assisted instruction on students' performance in selected cell division topics: A Quasi-experimental study at Adisadel College, Ghana. *Journal of Advocacy, Research and Education.*. https://www.academia.edu/download/96647093/1672263059_1.pdf
4. Godfred Safo-Adu, **C Essiam** (2022). Environmental sanitation and hygienic conditions in senior high schools. *Public Health Research*.
5. **Charles Essiam**, Jacqueline Ogoe (2022). The Suitability of Uniforms worn in a Tropical Climate: The Case of Selected Service Workers in Ghana. *ADRRI Journal (Multidisciplinary)*. https://scholar.google.com/scholar?cluster=11365430558264616396&hl=en&oi=scholarr
6. Rebecca QUANSAH, **Charles ESSIAM** (2021). The use of learning management system (LMS) moodle in the midst of covid-19 pandemic: Students' perspective. *Journal of Educational Technology and Online Learning*. https://doi.org/10.31681/jetol.934730
7. **Charles Essiam** (2020). The Impact of Peer Learning Approach of Teaching in a Photosynthesis Class. *Online Submission*. https://eric.ed.gov/?id=ED616429

8. Rebecca Esi Quansah, Nelly Adjoa Sakyi-Hagan, **Charles Essiam** (2019). Challenges Affecting the Teaching and Learning of Integrated Science in Rural Junior High Schools in Ghana. *Science education international*. https://doi.org/10.33828/sei.v30.i4.10

9. **Charles Essiam** (2019). Effect of Regular Classroom Tests on Learning and Understanding of Concepts in Chemistry. *Action Research and Innovation in Science Education*. https://doi.org/10.51724/arise.19