Charles Deodat Otami

Lecturer · Science Education
University of Cape Coast

ORCID 0000-0003-4347-5914 · Google Scholar scholar.google.com/citations?user=EtbOXZUAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/676dda18-7c75-4219-89fb-79394c09c06c

RESEARCH

Interests	teacher education in global south · policy and practice of education · science educa
Areas	Education · Safety Research · Computer Networks and Communications · Experimental and Cognitive Psychology · Gender Studies · General Agricultural and Biological Sciences

RESEARCH SUMMARY

9	91	4	2	2.09	29%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 9 publications listed below, 2009–2025. 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. 2 of the 7 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Lecturer, & Department Registration and Examinations Officer
Department of Science Education, Faculty of Science and Technology Education, College of Education Studies, University of Cape Coast, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD (Science Education); MPhil (Science Education); Bachelor
Science Education, University of Cape Coast, Cape Coast, Ghana

DISTINCTIONS, MEMBERSHIPS AND SERVICE

Finnish Centre for International Mobility Funding for Doctoral Student Mobility under the Culturally Responsive Education (CRE) Network Project 2015
Faculty of Behavioural Sciences, Department of Teacher Edcation, University of Helsinki, Helsinki, Finland

Full Membership
Ghana Association of Science Teachers(GAST), Accra, Ghana

Full Membership
University Teachers Association of Ghana, Accra, Ghana

International Full Membership
NARST worldwide organization for improving science teaching and learning through research, Reston, United States

International Full Membership
Association for Science Teacher Education(ASTE), Chicago, United States

MPhil Scholarship 2007–2009
NUFFIC/University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 9

1. Benedicta Abeka Quainoo, Kofi Acheaw Owusu, **Charles Deodat Otami** (2025). Effects of Learner-centred Instructional Approaches on Students' Achievement in Challenging Biology Concepts: Comparing REACT and 7E Approaches. *African Journal of Research in Mathematics Science and Technology Education*. https://doi.org/10.1080/18117295.2025.2503628
2. Januarius Felix Nomin, Kofi Acheaw Owusu, **Charles Deodat Otami** (2025). PERCEPTIONS OF SCIENCE LEARNING SELF-EFFICACY IN GHANA: INSIGHTS AND IMPLICATIONS FOR EDUCATION. *European Journal of Education Studies*. https://doi.org/10.46827/ejes.v12i1.5761
3. Kofi Owusu-Acheaw, Godwin Kwame Aboagye, **Charles Deodat Otami** (2024). Pre-Service Science Teachers' Awareness of their Critical Thinking Abilities. *Ghana Journal of Education Issues and Practice (GJE)*. https://doi.org/10.47963/gje101864
4. Kenneth Adu-Gyamfi, Isaiah Atewini Asaki, Abigail Fiona Dzidzinyo, **Charles Deodat Otami** (2024). Teaching and Learning Science as a Tool for Human Sustenance: The Non-Science Community's Expectations for School Science. *Education Sciences*. https://doi.org/10.3390/educsci14121379
5. Benedicta Abeka Quainoo, **Charles Deodat Otami**, Kofi Acheaw Owusu (2021). Effect of the REACT strategy on senior high school students' achievement in molecular genetics. *LUMAT International Journal on Math Science and Technology Education*. https://doi.org/10.31129/lumat.9.1.1418
6. Kenneth Adu-Gyamfi (PhD), **Charles Deodat Otami** (2020). In Search of an Effective Teacher: Ghana's Move towards Achieving Sustainable Education through Teacher Education Reforms. *International Journal of Higher Education*. https://doi.org/10.5430/ijhe.v9n4p216
7. Isaac Buabeng, Forster Danso Ntow, **Charles Deodat Otami** (2020). Teacher Education in Ghana: Policies and Practices. *Journal of Curriculum and Teaching*. https://doi.org/10.5430/jct.v9n1p86
8. C Beccles, Christopher Yaw Kwaah, **DC Otami** (2016). Teacher Response Model for the Management of Student Answers. *International Journal of Education, Learning and Development*. https://scholar.google.com/scholar?cluster=2997570256401947103&hl=en&oi=scholarr
9. **Deodat Charles Otami** (2009). An investigation into senior secondary school elective science students' perception of their Biology classroom environment and their Attitude towards Biology. *Unpublished masteral thesis, University of Cape Coast, Ghana*. https://ir.ucc.edu.gh/server/api/core/bitstreams/4eae5b53-c089-4bc0-a926-896641031f23/content