



STAFF PROFILE



PERSONAL INFORMATION

First Name	EUGENE		
Middle Name (initial)	O,		
Surname	ECHEWEOZO		
Rank	Senior Lecturer		
Designation	Ag. Head of Department, Physics with Electronics		
Areas of Specialization	Engineering and Radiation Physics		
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Research Gate ID	https://www.researchgate.net/profile/eugene-echeweozo	Google Scholar ID	https://scholar.google.com/citations?user=fv7IO7wAAAAJ&hl=en

WORK INFORMATION

Programme	Physics with Electronics
Department	Physics with Electronics
College	Science

BIOGRAPHY (EDUCATION/PROFESSIONAL EXPERIENCE/PROFESSIONAL ACCOMPLISHMENTS)

Dr. Eugene O. Echeweozo, MNIP is a Senior Lecturer and a researcher in the Department of Physics with Electronics, College of Science, Evangel University Akaeze. Ebonyi State Nigeria. His area of specialization is Engineering and Radiation Physics. He has been teaching Physics for the past 15 years. He has published widely in reputable international and local journals mainly in his area of research (Radiation Physics, Solid-State Physics and Material Science). He is a member of the Nigerian Institute of Physics (NIP) and other associations. He is a charismatic Leader, a mentor to many youth leaders and the CEO of Echelon Global Investment. He is from Umuahia, Abia State Nigeria, he enjoys reading and traveling.

ACADEMIC QUALIFICATIONS

S/N	INSTITUTIONS ATTENDED	DEGREE(S) AWARDED	YEAR
1	Michael Okpara Uni of Agric, Umudike, Abia State	Ph.D.	2021
2	Michael Okpara Uni of Agric, Umudike, Abia State	M.Sc.	2014
3	Nnamdi Azikiwe University, Awka, Anambra State	B.Sc.	2006

RESEARCH INTERESTS

S/N	
1	Radiation Protection
2	Solid- State Physics
3	Material Science and Engineering materials

MEMBERSHIP OF PROFESSIONAL BODIES

S/N	PROFESSIONAL BODY
1	Nigerian Institute of Physics (NIP) (Member)
2	Science Association of Nigeria (SAN) (Member)
3	Nigeria institution of Professional Engineer and Scientists (NIPES) (Member)

SELECTED PUBLICATIONS (MAXIMUM OF 10, WITH LINKS WHERE AVAILABLE)

1	Echeweozo, E. O. and. Abdelmonem, A. M (2023) Evaluation of Interaction Properties of Some Ionizing Radiation with Selected Nitrogen-Based Explosives Arabian Journal for Science and Engineering. https://doi.org/10.1007/s13369-023-08003-42 . (Published by Springer; Scopus and Web of Science indexed)
2	Abdelmonem A. M and Echeweozo E. O. (2023) Investigation of interaction parameters of gamma radiation, neutron and charge particles in selected thermoplastic polymers for radiation protection. J Mater Sci: Mater Electron (2023) 34:365. (Published by Springer; Scopus and Web of Science indexed) . https://doi.org/10.1007/s10854-022-09737-x
3	Echeweozo, E.O and D.I. Igwesi (2021). Investigation of gamma shielding and liquid permeability properties of kaolin for liquid radioactive waste management <i>Applied Radiation and Isotopes</i> 176 109908 (Published by Elsevier; Scopus and Web of Science indexed) https://doi.org/10.1016/j.apradiso.2021.109908

4	<p>Echeweozo, E. O. and Okeke I. S. (2021). Activity Concentrations and Distribution of ^{40}K, ^{232}Th, and ^{238}U with respect to Depth and Associated Radiation Risks in three Kaolin Mining Sites in Umuahia, Nigeria. <i>Chemistry Africa</i>.71-7(Published by Springer; Scopus and Web of Science indexed). https://doi.org/10.1007/s42250-021-00271-7</p>
5	<p>Echeweozo, E.O; Asiegbu, A.D; Efurumibe' E.L. (2021). Investigation of kaolin – granite composite bricks for gamma radiation shielding. <i>International Journal of Advanced Nuclear Reactor Design and Technology</i> 3 194–199 (Published by Elsevier; Scopus and Web of Science indexed). https://doi.org/10.1016/j.jandt.2021.09.007</p>
6	<p>E.O. Echeweozo, E.L. Efurumibe, A.D Asiegbu, L.A. Nnanna, H.K. Idu (2022) Assessment of granite – kaolin composite bricks as storage barrier facility for liquid radioactive waste. <i>Polytechnica</i> (Published by Springer; Scopus and Web of Science indexed). https://doi.org/10.1007/s41050-022-00036-2</p>
7	<p>E. O. Echeweozo (2022) Evaluation of activity concentration of ^{40}K, ^{226}Ra and ^{232}Th and radiological hazards in commercial wall paints used in Nigeria. <i>Polytechnica</i> https://doi.org/10.1007/s41050-022-00037-1 (Published by Springer; Scopus and Web of Science indexed).</p>
8	<p>Izunna Stanislaus Okeke, Priscilla Yahemba Aondona, Amoge Chidinma Ogu, Eugene Echeweozo and Fabian Ifeanyichukwu Ezema (2022) Role of Surface Defects and Optical Band-gap Energy on Photocatalytic Activities of Titanate based Perovskite Nanomaterial. <i>Recent Advances in Perovskite Materials (INTECHOPEN)</i> http://dx.doi.org/10.5772/intechopen.106253</p>
9	<p>Izunna Stanislaus Okeke, Priscilla Yahemba Aondona, Amoge Chidinma Ogu, Eugene Echeweozo and Fabian Ifeanyichukwu Ezema (2022) Role of Surface Defects and Optical Band-gap Energy on Photocatalytic Activities of Titanate based Perovskite Nanomaterial. <i>Recent Advances in Perovskite Materials (INTECHOPEN)</i> http://dx.doi.org/10.5772/intechopen.106253</p>
10	<p>Echeweozo, E.O; Asiegbu, A.D.; Efurumibe, E.L; Nnanna, L.A; Idu, H.K. (2021). Assessment of granite-kaolin composite bricks as storage barrier facility for liquid radioactive waste. <i>Radiation Physics and Engineering</i>; 2(4):29–37 https://doi.org/10.22034/RPE.2022.315654.1045</p>