

CURRICULUM VITAE



SECTION A: PERSONAL DETAILS

Name : Omeje Maxwell
Date of Birth : April 12, 1978
Gender : Male
Town : Edem
Local Govt. Area : Nsukka
State of Origin : Enugu
Nationality : Nigerian
Marital Status : Married
Religion : Christianity
Number of Children : 3 (2 boys & 1 girl)
Contact Address : Department of Physics, College of Science and Technology, Covenant University, Km 10, Idiroko Rd, Ota, Ogun State, Nigeria
Residential Address : Suite 34, Covenant University Staff Quarters
Telephone Number : +2348036521794
E-mail : maxwell.omeje@covenantuniversity.edu.ng, maxicosunny@gmail.com, momeje2@live.utm.my
Post Applied for : Senior Lecturer

SECTION B: INSTITUTIONS ATTENDED WITH DATES

Universiti Teknologi Malaysia, Skudai, Johor Bahru	2012 – 2014
Federal University of Technology, Yola	2005 – 2010
Enugu State University of Science and Technology, Enugu	1998 – 2002

ACADEMIC QUALIFICATIONS

Doctor of Philosophy (Ph.D) Physics (Environmental Geophysics) Universiti Teknologi Malaysia	2014
Master of Technology (M.Tech) Physics (Geophysics) Federal University of Technology, Yola, Adamawa State, Nigeria.	2010
Bachelor of Science (B.Sc) Physics(Industrial Physics) Enugu State University of Science and Technology, Enugu, Nigeria.	2002

TEACHING EXPERIENCE:

Academic Rank Held

Postgraduate (PG) Coordinator , Department of Physics	2018 – present
Research committee Chair, Department of Physics, Covenant University	2016 – 2018
Appointed as Editorial Board Member in a Journal of Imaging and Radiation Research, May 29, 2018	2018 – present
Appointed as editorial board member of Advance in Science, Technology and Engineering System Journal, May, 2016	2016
Secretary , Academic Committee for International Students Centre, (ISC) Universiti Teknologi Malaysia, March, 2014	2013 – 2014
Academic Position Held	
Academic Advisory Chair , Department of Physics	2018 – present
Member , College Curriculum Committee	2016 – 2018
Coordinator , Student Industrial Work Experience Scheme (SIWES), Department of Physics,	2015 – 2018
Departmental Coordinator , Student Excursion, Department of Physics,	2018 – present
Course Adviser , 100 Level, Physics Students, 2018/2019 Session	2018 – present
Deputy Chair , ICSSD2017 &18 Conference Committee, 20 th to 22 nd June, 2017 & 2018	2017 – 2018
Convocation Sub-committee welfare and hospitality chairman , 2017, 18 & 19	2017 - Present
Convocation Committee Member 2015/2016, 2016/2017 Academic Sessions	2016 - 2018

Postgraduate Courses Taught

PHY841: Well Logging and Petrophysics	(3 Units)	2019 - present
PHY825: Time Series in Geophysics	(3 Units)	2019 - present
PHY834: Electromagnetic Prospecting Methods	(3 Units)	2018 - present
PHY835: Gravity and Magnetic Methods in Geophysics	(3 Units)	2017 - present
PHY821: Numerical Analysis	(3 Units)	2017 - 2018

Undergraduate Courses Taught Since Offered Appointment

PHY439: Gravity and Magnetic Methods in Geophysics	(2 Units)	2017 - present
PHY313: Electrodynamics	(2Units)	2018 - present
PHY319: Experimental Physics and Treatment of Data	(2 Units)	2017 - 2018
PHY433: Electromagnetic Methods in Geophysics	(2 Units)	2015 - present
PHY315: Circuit Theory	(2 Units)	2018 - present
PHY336: Electrical & Radiometric Methods in Geophysics	(2 Units)	2015 - 2017
PHY414: Electrical Measurements and Instrumentations	(2 Units)	2015 - present
PHY425: Fundamentals of Geophysical Data Processing	(2 Units)	2015 - 2016
PHY227: Analytical Mechanic	(2 Units)	2016 - present
PHY429: Project supervision (6units)	(2 Units)	2015 - present
PHY448: Field School in Geophysics	(2 Units)	2017 - present

AWARD AND HONORS RECEIVED

Merit Award: The most outstanding Faculty in Final Year Lecture Delivery, in Physics (Applied Geophysics) of the Covenant University	June 23rd, 2016
Graduate on Time (GOT) Award with three ISI-indexed papers (Ph.D. Thesis)	June 25th, 2014
UTM international Doctoral Fellowship Award, Research & Scholarship, School of Graduate Studies, UTM, Malaysia	April 21st, 2014

December 20th, 2013 - UTM international Doctoral Fellowship Award,
Research & Scholarship, School of Graduate Studies, UTM, Malaysia

December 20th, 2013

RESEARCH GRANT AWARD:

Principal Investigator of May & Baker Pharmaceutical Company PLC Grant Award, **2018-Ongoing.**

Title: Mapping the background Radiation Dose Exposure and Its Potential Health Risks on Workers

Principal Investigator of the Covenant University Center for Research, Innovation and Discovery (CUCRID) Grant Award, **2017 - Ongoing**

Title: Radio-anthropogenic Assessments of Building Materials, Soils, Environment and their Electrokinetic Remediation in Covenant University, Ota. (**\$ 26, 192.00 = N 9,424,000.00**). **Grant NO: CUCRID/VC/17/02/02/06-FS.**

WORK EXPERIENCE

Department Level

Lecturer 1, Covenant University, Km 10, Idiroko Road, Ota, Ogun State, Nigeria. 2015-Date

OTHER EXPERIENCES

CEO, Maxicohydrosolution consult (Geosurvey, Borehole Drilling, water treatment, Impact Assessments (RC: 2215297) 2006 -2013

Part-time Physics Lecturer, Fidei Polytechnic, Gboko, Abuja Study Centre. 2009 – 2011

Physics Teacher, Aunty Alice College, Mararaba, Abuja, Nigeria. 2006-2007

Physics Teacher, Federal Technical College, Jalingo, Taraba State, Nigeria. 2004 - 2006

COVENANT UNIVERSITY APPOINTMENT/COMMITTEE

1. Deputy Chair, ICSSD2017-18 Conference Committee, 20th to 22nd June, 2017-18
2. PG Coordinator, Department of Physics, 2018/2019 - present
3. Head of Research Committee 2016/2017, 2017/2018 academic Session, Department of Physics, Covenant University
4. Member of the College Curriculum Committee for 2015/2016 & 2016/2017 academic Sessions, Covenant University
5. Chaiman, Physics Department student's advisory Committee
6. SIWES CORDINATOR: Siwes students Cordinator for 2015/2016, 2016/2017, 2017/2018 Academic Sessions, Department of Physics, Covenant University
7. Chairman, Welfare and Hospitality Convocation Sub-Committee, 2017/2018 & 2019 academic Session, Covenant University
8. Convocation Committee Member 2015 –present academic Sessions, Covenant

RESEARCH ACTIVITIES

RESEARCH PROJECT UNDERTAKEN

Project Leader (Radiation Geophysics Research Group): Background Radiation Dose Assessment of May & Baker Pharmaceutical Company and Its Potential Risks on Workers

Project Leader (Radiation Geophysics Research Group): Estimation of Radioactivity and Lifetime Cancer Risks on Building Materials Sold in Nigeria 2017 – 2019

Project Coordinator (Drinking Water Monitoring): Ascertaining the quality of bottled water samples sold in some parts of South West Nigeria 2017

Project Leader (Radiation Geophysics Research Group): Evaluation of radiological risk of laterite materials for building purposes: **A case study of Igboloye Village in Ota, Ogun State** 2015

Project Leader (Radiation Geophysics Research Group): Radioactivity and radiological impact assessment in Adodo Ota-dump Site, Ogun State, Nigeria 2015

Project Leader (Radiation Geophysics Research Group): Radiation Dose and Radiological risk assessment of Agbara-industrial Estate dump-site 2015

PUBLICATIONS

JOURNAL ARTICLES PUBLISHED ONLINE

ISI / SCOPUS Indexed Journals:

E. S. Joel, O. Maxwell, O. O. Adewoyin, O. C. Olawole, T. E. Arijaje, Z. Embong & M. A. Saeed, Investigation of Natural Environmental Radioactivity Concentration in Soil of Coastline Area of Ado-Odo/Ota Nigeria and its Radiological Implications, **Scientific Reports, Springer Nature**, (2019) 9:4219 | <https://doi.org/10.1038/s41598-019-40884-0>

Olusegun Adewoyin, Joshua Emmanuel Oluwagbemi, Akinyemi Marvel Lola, **Omeje Maxwell**, Akinwumi Sayo, Predicting Dynamic Geotechnical Parameters in Near Surface Coastal Environment, **Cogent Engineering**, DOI:10.1080/23311916.2019.1588081

Maxwell OMEJE, Theophilus Aanuoluwa ADAGUNODO, Sayo Akinloye AKINWUMI, Olusegun Oladotun ADEWOYIN, Emmanuel Sunday JOEL, Investigation of Drillers' Exposure to Natural Radioactivity and Its Radiological Risks In Low Latitude Region Using Neutron Activation Analysis, **International Journal of Mechanical Engineering and Technology (IJMET)**, Volume 10, Issue 01, January 2019, pp. 1897-1920, Article ID: IJMET_10_01_187

Omeje, Maxwell, Joel, Emmanuel S, Adewoyin, Olusegun O, Olawole, O.C., Akinwumi, S. A. Evaluation of Radioactivity from Commercial Construction Materials and Its Radon Exhalation Implications on Residents, **International Journal of Civil Engineering and Technology (IJCIET)** Volume 10, Issue 01, January 2019, pp. 2357–2366, Article ID: IJCIET_10_01_212

Adagunodo Aanuoluwa, Sunmonu Lukman Ayobami, Moruffdeen A. Adabanija, **Omeje Maxwell**, Oluwale Odetunmbi, Victor Ijeh, Statistical Assessment of Radiation Exposure Risks of Farmers' in Odo Oba, Southwestern Nigeria, **Bulletin of Mineral Research and Exploration**: DOI:10.19111/bulletinofmre.495321

Omeje, MI, Joel S Emmanuel Adewoyin O Olusegun, Ehi-Eromosele O Cyril, Araka T Ifeanyi, Zaidi Embong(2018). A Study of Natural Radioactivity In Some Building Materials In Nigeria, **Radiation Protection Dosimetry (Oxford Press, ScholarOne)**, 02 August 2018, ncy121, <https://doi.org/10.1093/rpd/ncy121>

Omeje, M.. Adewoyin O Olusegun, Emmanuel S Joel, CO Ehi-Eromosele, Emenike C PraiseGod, MR Usikalu, Akinwumi A Sayo, E Zaidi, Mohammad A Saeed (2018). Natural radioactivity concentrations of Ra-226, Th-232, and K-40 in commercial building materials and their lifetime cancer risk assessment in dwellers, **Human And Ecological Risk Assessment, (TAYLOR & FRANCIS INC)**, 24, 8, 2036-2053

- ES Joel, **Omeje, M.**, OO Adewoyin, CO Ehi-Eromosele, MA Saeed (2018) Comparative analysis of natural radioactivity content in tiles made in Nigeria and imported tiles from China, **Scientific Report (Springer Nature), Nature Publishing Group (Springer)** 8,(1), pg 1842
- ES Joel, **Omeje M.**, OO Adewoyin, CO Ehi-Eromosele, Z Embong, MA Saeed.(2018) Assessment of natural radionuclides and its radiological hazards from tiles made in Nigeria, **Radiation Physics and Chemistry (Elsevier)**, 144, 43-47
- I. T. Tenebe , C. P. Emenike , A. S. Ogbiye, B. U. Ngene, **Omeje, M.** & O. O. Olatunji. (2018) A laboratory assessment of the effect of varying roughness on dissolved oxygen using error correction method, **Cogent Engineering, Taylor & Francis**, 5,1, 142191
- Omeje, M.**, O.O. Adewoyin E.S. Joel C.O. Ehi-Eromosele , S.A. Akinwumi, M.R. Usikalu , C.P. Emenike , Z. Embong (2018) Radiation exposure to dwellers due to naturally occurring radionuclides found in selected commercial building materials sold in Nigeria. *Journal of Radiation Research and Applied Sciences* 11 (2018) 225-231
- Akinwumi S. A., Omotosho T. V., Usikalu M. R., Odetunmbi O. A, Ometan O. O., Adewusi M. O., **Omeje, M.**, Joel E. S. (2018). Comparison between experimental and satellite temperature datasets in Covenant University. **Data in Brief**. Volume 20, Pages 496-502.
- ES Joel, **Omeje, M.**, OO Adewoyin, CO Ehi-Eromosele, Z Embong, F Oyawoye (2018). Assessment of natural radioactivity in various commercial tiles used for building purposes in Nigeria, **MethodsX (Elsevier)** 5, 8-19
- CP Emenike, IT Tenebe, DO Omole, Ben U Ngene, Babatunde I Oniemayin, **Omeje, M.**, BI Onoka (2017). Accessing safe drinking water in sub-Saharan Africa: Issues and challenges in South–West Nigeria, **Sustainable cities and society (Elsevier)**,**30**, 263-272
- Omeje, M.**, Husin Wagiran, Olusegun Adewoyin, E. S. Joel, Ngozi Adeleye, Zaidi Embong, I. T. Tenebe (2017) Radiological and chemical toxicity risks of uranium in groundwater based-drinking at Immigration Headquarters Gosa and Federal Housing Lugbe area of Abuja, North Central Nigeria, *J Radioanal Nucl Chem*, 311:1185–1191
- PraiseGod Chidozie Emenike, Theophilus Imokhai Tenebe, **Omeje, M.**, Damilare Samuel Osinub (2017) Health risk assessment of heavy metal variability in sachet water sold in Ado-Odo Ota, South-Western Nigeria, **Environmental monitoring and assessment (Springer)**,189, 9 , 480
- Olusegun Oladotun Adewoyin, Emmanuel Oluwagbemi Joshua, Isaac Ibukun Akinwumi, **Omeje, M.**, Emmanuel Sunday Joel (2017) Evaluation of geotechnical parameters using geophysical data. **Journal of Engineering and Technological Science**, 49(1): 95-113
- Joel Emmanuel Sunday **Omeje, M.**, Adewoyin Olusegun Oladotun, Akinwumi Sayo Akinloye, Praisegod Chidozie Emenike (2017) Assessment of dose intake of toxic elements in groundwater samples from Abuja, North Central Nigeria, **WIT Press** 216, pg 267
- Omeje. M.**, Joel Emmanuel Sunday, Adewoyin Olusegun Oladotun, Akinwumi Sayo Akinloye, Praisegod Chidozie Emenike, Imokhai Theophilus Tenebe I, Olatokunbo Ofuyatan, Okolie Tobias Sociis, Husin Wagira & Hassina Mouri, (2017) Assessment Of Dose Intake of Toxic Elements in Groundwater Samples from Abuja, North Central Nigeria. *Water and Society IV*, 266-275. *WIT Transactions on Ecology and the Environment*, Vol 216, WIT Press.
- Adewoyin, **O. O.**, Joshua, E. O., Akinyemi, M. L., **Omeje, M.**, Joel, E. S. and Kayode, O. T. (2017) Analysis of Geotechnical Parameters from Geophysical Information. <http://library.seg.org/doi/abs/10.1190/ice2016-6460789.1>
- Omeje, M.**, Joel Emmanuel Sunday, Adewoyin Olusegun Oladotun, Akinwumi Sayo Akinloye, Praisegod Chidozie Emenike, Imokhai Theophilus Tenebe, Olatokunbo Ofuyatan, Okolie Tobias Sociis, Husin Wagira & Hassina Mouri, (2017) Life Average Daily Dose Of Radium-226 On Some Water Samples Collected At Giri And Kuje Area of Abuja, North-Central Nigeria. *Water and Society IV*, 261-266. *WIT Transactions on Ecology and TheEnvironment*, Vol 216, WIT Press

Omeje, M., Joel Emmanuel Sunday , Adewoyin Olusegun Oladotun, Akinwumi Sayo Akinloye, Praisegod Chidozie Emenike, Imokhai Theophilus Tenebe I, Olatokunbo Ofuyatan, Okolie Tobias Sociis, Husin Wagira And Hassina Mouri (2017) Assessment of dose intake of toxic elements in groundwater samples from Abuja, North Central Nigeria. *WIT Transactions on Ecology and the Environment*, **216**: 267-275

Omeje, M., Husin Wagiran, Embong Zaidi, ES Joel, IT Tenebe, IA Oha, OS Onwuka (2016) Radiotoxicity risks of radium-226 (226Ra) on groundwater-based drinking at Dawaki, Kuje, Giri and Sabon-Lugbe area of Abuja, North Central Nigeria, *Environmental Earth Sciences*, (Springer) **75**, 14, 1-9

Adewoyin, O. O., **Omeje, M.**, Joel, E. S., Kayode, O. T. (2016) Foundation Settlement Determination: A Simplified Approach. *Journal of Engineering and Applied Research*, **11**(7): 1488-1492.
<http://dx.doi.org/10.3923/jeasci.2016.1488.1492>

Kayode, O. T., Aizebeokhai, A. P., Adewoyin, O. O., Joel, E. S., **Omeje, M.** (2016) Geochemical Analysis of Domestic Groundwater Sources in a Suburb of Ota, Southwestern, Nigeria. *Indian Journal of Science and Technology*, **9**(22): 1-8.

Omeje, M., Husin Wagiran, Embong Zaidi, ES Joel, IT Tenebe, IA Oha, OS Onwuka Radiotoxicity risks of radium-226 (226Ra) on groundwater-based drinking at Dawaki, Kuje, Giri and Sabon-Lugbe area of Abuja, North Central Nigeria, *Environmental Earth Sciences*, (Springer) **75**, 14, 1-9 (2016)

E.S Joel, P.I Olasehinde, **Omeje, M.**, O.O. Adewoyin (2016) Estimation of Aquifer Transmissivity from Geo-Physical Data. A Case Study of Covenant University and Environs, Southwestern Nigeria. *Science International - LAHORE* **28** (4), 3379-3385.<http://www.sci-int.com/pdNIGERIA--25-7-16--TR-1.pdf>

Omeje M., Husin Wagiran, Emmanuel S. Joel, Adewoyin, Olusegun, Kayode Olusola (2016) Radiological Risks of Radium-226 On Groundwater Based-Drinking in Kubwa And Gosa Area of Abuja, North Central Nigeria. *Science International (Lahore)*, **28**(2),1859-1863

Omeje, M., H. Wagiranb, E.S Joel, O. T Kayode, O.O Adewoyin. (2016)Radioactivity and radiological impact assessment of dump-Site in Ota, Ogun State, Nigeria. *Science International Journal* **28**(2),1883-1887

Omeje, M., H Wagiran, SK Lee, Z Embong, PE Ugwuoke (2015). Radioactivity level and toxic elemental concentration in groundwater at Dei-Dei and Kubwa areas of Abuja, north-central Nigeria, *Radiation Physics and Chemistry*,(Elsevier),107, 23-30

Omeje, M. & H. Wagiran (2015) Tectonic and Radioactivity impacts of ^{238}U on Groundwater Based Drinking Water at Gosa and Lugbe Area of Abuja, North Central Nigeria *Journal of Nuclear Science and Technology* Taylor & Francis, Vol. 52,12, Pp 1496 – 1503

Omeje, M., Nooriddin Ibrahim, OI Andrew, Onwuka Obialo Solomon, Soheli Sabiri (2014). Integrated geoelectrical and structural studies for groundwater investigation in parts of Abuja, North Central Nigeria, *Near Surface Geophysics*, (European Association of Geoscientists & Engineers) **12**, 515-521

Omeje, M., H Wagiran, SK Lee, Z Embong, PE Ugwuoke (2015) Radioactivity level and toxic elemental concentration in groundwater at Dei-Dei and Kubwa areas of Abuja, north-central Nigeria, *Radiation Physics and Chemistry*,107, 23-30

Omeje, M. & Husin Wagiran (2015) Tectonic and Radioactivity impacts of ^{238}U on Groundwater Based Drinking Water at Gosa and Lugbe Area of Abuja, North Central Nigeria *Journal of Nuclear Science and Technology* (Taylor & Francis), Vol. 52,12, Pp 1496 – 1503

Omeje, M., H Wagiran, N Ibrahim, SK Lee, Z Embong, PE Ugwuoke.(2014) Natural radioactivity and geological influence on subsurface layers at Kubwa and Gosa area of Abuja, Northcentral Nigeria, *Journal of Radioanalytical and Nuclear Chemistry* **303**, 1, 821-830.

Library Electronic System and Research Information (LESRI), UTM, Malaysia

Radiometric interpretation of geologic data and its effect on groundwater in Abuja, North-Central Nigeria: (Published Online) DSP DISSERTATION_ Omeje Maxwell: Thesis (Ph.D (Physics) - Universiti Teknologi Malaysia, 2014

Omeje, M., H. Wagiran, N. Ibrahim, S. K. Lee and S. Sabri (2014) Radiological Monitoring of Borehole in Dei-Dei, Abuja, North Central Nigeria. APCBEE Procedia 10 (2014) 54 – 58

Omeje, M., Husin Wagiran, Noorddin Ibrahim, Siak Kuan Lee, Soheil Sabri.(2013) Measurement of ^{238}U , ^{232}Th and ^{40}K in boreholes at Gosa and Lugbe, Abuja, north central Nigeria, **Radiation protection dosimetry, , 157, 2 271–277**

Omeje, M., Husin Wagiran, Noorddin Ibrahim, Siak Kuan Lee, Soheil Sabri. Comparison of activity concentration of ^{238}U , ^{232}Th and ^{40}K in different Layers of subsurface Structures in Dei-Dei and Kubwa, Abuja, northcentral Nigeria, **Radiation Physics and Chemistry, (2013), 91, 70-80**

Omeje, M., H. Wagiran, N. Ibrahim and P. Ugwuoke (2012) Aeromagnetic Data Interpretation of the Triple Junction Area of the Upper Benue Trough, Northeastern Nigeria. International Journal of Environmental research and Development, Vol. 7, No. 2A

Omeje, M., Husin W., Noorddin I., Oha I. A, Onwuka O. S , P.E Ugwuoke and Meludu O. (2012) Geoelectrical Investigation of Aquifer Problems in Gosa Area of Abuja, North Central Nigeria. **International Journal of Physical Sciences Vol. 8(7),pp, 549-559 , 29 March, 2013**

ISI/SCOPUS INDEXED CONFERENCE PAPERS

Omeje, M., Adewoyin Olusegun .O, Joel Emmanuel S., Okolie SociisT.A., Sam-Inyang Samuel,, ArijajeTheophilus .E. Akinpelu Akinwumi (2018) Dust pollution and its potential health risk exposure to inhabitants of Covenant University and canaanland, Ogun state, Nigeria, IOP Conf. Series: Earth and Environmental Science 173 (2018) 012021 doi :10.1088/1755-1315/173/1/012021

Olusegun Adewoyin, **Omeje, M., Emmanuel Joel (2018) Assessment of background radiation in some parts of Canaanland Ogun state, south-western Nigeria using integrated geophysical techniques. IOP Conf. Series: Earth and Environmental Science 173 (2018) 012032 doi :10.1088/1755-1315/173/1/012032**

Khawarizmi Mohd Jafery , Zaidi Embong , Yee See Khee, Samsul Haimi Dahlan, Saiful Azhar Ahmad Tajudin Salawati Ahmad, Siti Kudnie Sahari. **Omeje, M. (2017) Investigation of dielectric constant variations for Malaysians soil species towards its natural background dose. IOP Conf. Series: Materials Science and Engineering 298 (2017) 012003 doi:10.1088/1757-899X/298/1/012003**

M. R. Usikalu, C. A. Onumajor, A. Akinpelu, J. A. Achuka, **Omeje, M.** and O. F. Oladapo (2018) Natural Radioactivity Concentration and Its Health Implication on Dwellers in Selected Locations of Ota IOP Conf. Series: Earth and Environmental Science **173** (2018) 012037doi :10.1088/1755-

Arijaje. T. E, Azi. S. O, Akinpelu. A, Onumajor. C. A, **Omeje, M.,** Ogunrinola. I. E (2018). Design and Construction of LED Matrix Display. IOP Conf. Series: Earth and Environmental Science **173** (2018) 012007 doi :10.1088/1755-1315/173/1/012007

E Zaidi, MJ FahrulRazi, ATS Azhar, ZAM Hazreek, A Shakila, MS Norshuhaila, **Omeje, M. (2017) Radionuclides (^{40}K , ^{232}Th and ^{238}U) and Heavy Metals (Cr, Ni, Cu, Zn, As and Pb) Distribution Assessment at Renggam Landfill, Simpang Renggam, Johor, Malaysia. IOP Conf. Series: **Materials Science and Engineering 226** (2017) 012070 doi:10.1088/1757-899X/226/1/012070**

N M Yussuf², Z Embong, S Abdulla, M I M Masirin¹, S A A Tajudin¹, S Ahmad, S K Sahari, A A Anuar and **Omeje, M.** (2017) The enhancement of heavy metal removal from polluted river water treatment by integrated carbon-aluminium electrodes using electrochemical method. **IOP Conf. Series: Materials Science and Engineering** **298** (2017) 012006 doi:10.1088/1757-899X/298/1/012006

Omeje, M., Olusegun O. Adewoyin, Emmanuel S. Joel, Andrew Uchegbu and Emenike Chidozie Praise God (2017) Assessing the Life Average Daily Dose (Ladd) due to Heavy Metal Contents in Water Samples from Covenant University, Caaanland, Ota, South West Nigeria, *Journal of Informatics and Mathematical Sciences* Vol. x, No. x, pp. 1–13, 201x

Adewoyin, O. O., Joshua, E. O., Akinyemi, M. L., **Omeje, M.**, and Joel, E. S. (2017) Investigation to determine the vulnerability of reclaimed land to building collapse using near surface geophysical method. **Journal of Physics conference series** <http://iopscience.iop.org/article/10.1088/1742-6596/852/1/012030>

Adewoyin, O. O., Joshua, E. O., Akinyemi, M. L., **Omeje, M.** and Joel, E. S. (2017) Application of 2D electrical resistivity imaging and cone penetration test (CPT) to assess the hazardous effect of near surface water on foundations in Lagos Nigeria. *IOP Conference series: Journal of Physics.* <http://iopscience.iop.org/article/10.1088/1742-6596/852/1/012033>

PROCEEDINGS/CONFERENCE ATTENDED

International Conference on Methods and Application of Radioanalytical Chemistry (MARC), 6th to 13th April, 2018, Kailuwa Kona, Hawaii, USA. **(ISI-Indexed)**

Title: Drillers' Exposure to Natural Radioactivity and Its Radiological Risks in Low Latitude Region using Neutron Activation Analysis

International Conference on Methods and Application of Radioanalytical Chemistry (MARC), 6th to 13th April, 2018, Kailuwa Kona, Hawaii, USA. **(ISI-Indexed)**

Title: Evaluation of Radioactivity from Commercial Building Materials and its Radon Exhalation Risks on Dwellers

4th International Conference on Water & Society, 5 - 7 June 2017 Seville, Spain (Accepted for publication in proceedings) **(ISI- Indexed)**

Title: Title: Assessment Dose Intake (Di) Of Toxic Elements On Groundwater Samples In Abuja, North Central Nigeria

The 3rd International Conference on Water Resource and Environment (WRE2017) June 26th-29th, 2017, Qingdao, China

Title : Assessment of Natural Radioactivity Levels in the Coal Formation, Enugu, South Eastern Nigeria

4th International Conference on Water & Society, 5 - 7 June 2017 Seville, Spain (Accepted for publication in proceedings) **(ISI- Indexed)**

Title: Title: Risk Level of Radium-226 on Some Water Samples Collected at Giri and Kuje Area of Abuja, North Central Nigeria

First International Conference on Radioanalytical and Nuclear Chemistry (RANC-2016) to be held in Budapest, Hungary during April 10–15, 2016

Title: Environmental Impact Assessments of Naturally occurring Radionuclides on inhabitants of Abuja, Northcentral Nigeria

ICE Barcelona AAPG /SEG International Conference & Exhibition, 2016, 3 -6 April, Barcelona, Spain

Advance in anagement and Operation System Conference (AMOS), ASIA, 2015 (ISI-Indexed)

Title : Radioactivity and radiological impact assessment in Ota-dumping Site, Ogun State, Nigeria

International Water Conference 2016 on Water Resources in Arid Areas, Oman (ISI-Indexed)

Title: Regional Groundwater Studies Using Aeromagnetic Technique

International Water Conference 2016 on Water Resources in Arid Areas, Oman (ISI-Indexed)

Title: Geo - Solution Techniques For Groundwater Exploration

ICSIED 2014: February 19-21, Singapore (APCBEE Pcedia)

Title: Radiological Monitoring of Borehole at Dei-Dei Abuja, Northcentral Nigeria

Singapore 2014 Published by Elsevier B.V. Selection and/or peer review under responsibility of Asia-Pacific Chemical, Biological & Environmental Engineering Society. (**Scopus Indexed**)

Title : Analysis of Geotechnical Parameters from Geophysical Information

2nd International Science Postgraduate Conference 2014(ISPC2014) SCOPUS Indexed (www.fs.utm.my/ispc2014).

1st International Science Postgraduate Conference 2012(ISPC2012) SCOPUS Indexed (Abstract Reference No: P20) (www.fs.utm.my/ispc2012).

LOCAL CONFERENCES

3rd Covenant University International Conference on African Development Issues (ICADI) 2016 (Accepted)

Title: Radiation dose and Cancer Fatal Risk Assessment of Covenant University Centre for Research, Innovation and Discovery (CUCRID), Ota. **Abstract No 31**

3rd Covenant University International Conference on African Development Issues (ICADI) 2016

Title: Radioactivity Risk of Dump-Site Exposure To Students At Daniel Hall In Covenant University
Abstract No:30

Nigerian Geophysical Society conference (Landmark University) Feb. 5, 2016

Title: Assessment of Radioactivity level and Background radiation exposure in the Covenant University centre for research, innovation and discovery (CUCRID), Ogun State, Nigeria

Nigerian Geophysical Society conference (Landmark University) Feb. 5, 2016

Title: Study of Sedimentary Aquifer Control Using Aeromagnetic Method in Ota, Ogun State
Nigeria

Nigerian Institute of Physics (NIP) (Olabisi Olabanjo University, Ago Iwoye, Ogun State, 2015

Title: Application of magnetic method for investigating hydrogeological structures in sedimentary terrain

SEMINARS/WORKSHOPS

1. Skill workshop for Young Scientists and Engineers at Faculty of Science, Universiti Teknologi Malaysia, 12th January 2014, Sponsored by the United States Development of State Based on Materials Development in Conjunction with International Activities at the American Chemical Society and Universiti Teknologi Malaysia
2. How to Publish in Impact Factor Journals, 19th February, 2014, UTM Johor Bahru, organized by Postgraduate Students Society of Universiti Teknologi Malaysia (UTM-PGSS) in Collaboration with School of Graduate Studies (SPS) UTM, Johor Bahru
3. Seminar on Art of Writing for Impact Factor Academic Journals, 11th December 2013 by Dr. Sib. Krishna, C21 Block, Faculty of Science, UTM.
4. Problem Solving Workshop for Personal Development, 19 & 20th November, 2013 at Innovation and Commercialization Centre Industry Centre, Technovation Park, Universiti Teknologi Malaysia
5. Agilent Technologies Spectroscopy Seminar on 8th January, 2014 at Universiti Teknologi Malaysia by Chemical Analysis Group.
6. Graduate On Time (GOT) Workshop, 19th February, 2014, UTM Johor Bahru, organized by Postgraduate Students Society of Universiti Teknologi Malaysia (UTM-PGSS) in Collaboration with School of Graduate Studies (SPS) UTM, Johor Bahru.
7. 2nd Mathematics in Industry Study Group Malaysia, MISG-2014 in cooperation with Oxford Centre for Industrial and Applied Mathematics, Oxford University (OCIMAM) and the Department of Mathematical Sciences, Universiti Teknologi Malaysia, (17th March – 21st March, 2014) by Emeritus Prof. John R. Ockendon, FRS, England, United Kingdom.
8. New approaches for prediction of physical properties of materials by theoretical calculations and comparison with experiments using BOLTZTRAP model by Dr. H. A. Rahnamaye Aliabad, C21, Seminar Room, Department of Physics, Faculty of Science, UTM, Skudai, Malaysia, 9th April, 2014.
9. Docmap Workshop, 22nd January, 2014, organized by Postgraduate Students Society of Universiti Teknologi Malaysia (UTM-PGSS) in Collaboration with School of Graduate Studies (SPS) UTM, Johor Bahru.
10. Daily Malay Language Workshop, 16th – 19th March, 2014, organized by Academic Department, International Students Society-Central (ISS-Central) in Collaboration with UTM International Student Centre (UTM ISC), Universiti Teknologi Malaysia.
11. Seminar on Career Talk in Conjunction with Career Carnival 2014, 6th – 7th May, 2014 at Dewan Sultan Iskandar, Universiti Malaysia.
12. Latex and Beamer Workshop, 14th – 16th March, 2012 at Computer Lab.1, C22 Level 3, Faculty of Science, UTM Johor Bahru, Malaysia.
13. ISO 9000:2008 Quality Management System Requirement training, course code: GLL1029, 31st March, 2012, organized by Universiti Teknologi Malaysia Space Centre.
14. Safety & Health Office/Occupation (SHO) training, course code: GLL1040, 24th March, 2012, organized by Universiti Teknologi Malaysia Space Centre.

INVITED/GUEST SPEAKER

- Invited as a speaker in the RCE Ogun Official Launch/ Climate Change Convention Theme: “**Climate Change Action for the Africa we Want**”, at 4th of February, 2019 at the Covenant University Centre for Research Innovation and Development (CUCRID)

- Invited as a reviewer in Journal of Environmental Earth Sciences, **Springer Manuscript, ISI-Indexed Impact (Impact Factor: 1.65)**
Title: Standardization of a NaI(Tl) scintillation detector and its use on environments for Geology teaching in a Brazilian university
 Manuscript Number: **ENGE-D-17-01534**
- Invited as a reviewer in Journal of Immunoassay and Immunochemistry, **Taylor & Francis, Scholar One Manuscript, ISI-Indexed**
Title: Seroprevalence of Hepatitis B and Delta viruses among HIV infected population attending Antiretroviral clinic in selected health facilities in Abuja Nigeria
 Manuscript Number: **ID LJII-2017-0018, 28/05/2017**
- Invited as a reviewer in Journal of Immunoassay and Immunochemistry, **Springer, ISI-Indexed (Impact Factor: 1.766)**
Title: Uranium(VI) Adsorption and Surface Complexation Modeling onto Vadose Sediments from the Savannah River
 Manuscript Number: **ENGE-D-16-02700, 06/03/2017**
- Invited as a reviewer in Asian Journal of Urology/Andrology, **SholarOne Manuscript, ISI-Indexed**
Title: Incidence of Hospital screen Detected Prostrate Cancer in Abuja, Nigeria
 Manuscript ID: **AJU-2016-0008. 26/01/2016**
- Invited as a reviewer in Applied Radiation and Isotopes, **Elsevier, ISI-Indexed (ISI impact Factor = 1.231)**
Title: Vertical variations in elemental concentrations of Precambrian pegmatite of Keffi, North Central Nigeria using instrumental neutron Activation
 Manuscript Number: **ARI-D-15-00822. 22/11/2015**
- Invited as a reviewer in ScienceDomain International (www.sciencedomain.org)
Title: Differentiation Pattern Of The Ultramafic- Intermediate Extrusive Rocks in Afikpo Basin Southern Benue Trough, Southeastern Nigeria
 Manuscript Number: **Ms_JGEESI_22962. 20/11/2015**
- Speaker: Departmental semina on “**How to publish in High Impact Factor Scholarly Journals**”
 Venue: Department of Physics, **Lab. 213, 2nd Oct., 2015**
- Invited as a reviewer in Arabian Journal of Geosciences, **Springer, ISI-Indexed (ISI impact Factor = 1.23)**
Title: Groundwater monitoring and management using geoelectrical and hydrological techniques in some parts of El Bostan area, Western part of the Delta, Egypt.
 Manuscript Number: **AJGS-D-15-00478. 17th Sept. 2015**
- Invited as a reviewer in ScienceDomain International (www.sciencedomain.org)
Title: Crushed Rocks and Dimention Stone: Exploration, Evaluation and exploitation in Igarra area, Southwestern Nigeria
 Manuscript Number: **2015_JGEESI_18528. 14/05/2015**
- Invited as a Reviewer in Stochastic Environmental Research and Risk Assessment Journal, **Springer, ISI Journal (ISI Impact Factor = 1.96).**
Title: Risk Analysis for the Downstream Control Section in Real-time Flood Control Operation of Reservoir.

- Manuscript Number: **SERR-D-14-00022. 20th July, 2014.**
- Invited as a Reviewer in Stochastic Environmental Research and Risk Assessment Journal, **Springer (ISI Impact Factor = 1.96).**
Title: Human Health Cost of Air Pollution from the Karachaganak Oil and Gas Field.
Manuscript Number: **SERR-D-14-00041. 19th Feb, 2014.**
 - Invited as a Reviewer in British Journal of Applied Science & Technology
Title: GIS in Groundwater Exploration (Based on Remote Sensing Data of Akure and Environ).
Manuscript Number: **2014_BJAST_11320. 24th May, 2014**
 - Invited as a Reviewer in British Journal of Applied Science & Technology
Title: Geo-Electrical Method Applied to Evaluation of Groundwater Potential and Aquifer Protective Capacity of Overburden Units.
Manuscript Number: **2013_BJAST_8175. 20th December, 2013.**

Supervision: Final year students Projects in Environmental Geophysics

- (1) **(15CE03864):** Geospatial Analysis of Radionuclide Distributions in May & Baker Company and its Potential Risk Exposure to Workers (**Grant Awarded Project**)
- (2) **(14CE017923):** Dust pollution and its potential health risk exposure to inhabitants of Covenant University and canaanland, Ogun state, Nigeria (**Published in Scopus**)
- (3) **(14CE017909):** Potential Health Risks of Heavy Metal Contents in Bottled Water from Lagos State and Its Environs, Nigeria (**Published in Scopus**)
- (4) **(14CE017921):** Evaluation of the Potential Health Risk of Anion Contents in Selected Bottle Water Samples and their Association with the Source Water Geologies (**Under Review in Desalination & Water Treatment- ISI Indexed with IF: 1.65**)
- (5) **(13CE016064):** Chronic Risk Exposure to Lead (Pb) in Groundwater and Bottled Water Based-Drinking in Some Parts of Ota, Ogun State, Southwest Nigeria (**Published in Scopus**)
- (6) **(13CE016051):** Assessment of Chromium Level in Groundwater and Bottled Water Based-Drinking and its Exposure to Dwellers in Adodo Ota, Ogun State
- (7) **(12CE014392): Project title:** Assessment of radiation exposure to students residing in Daniel Hall close to Dump-site in Covenant University (**Published Online**)
- (8) **(12CE014390): Project Title:** Radioactivity and Radiological health Risk assessment of Covenant University Center for Research and Development (CUCRID) and New-site at Covenant University
- (9) **(12CE014385):** Cadmium Level and Its Associated Health Risks in Selected Water Samples in Adodo Ota, Ogun State

HONOURS/RECOGNITION BY REPUTABLE JOURNAL IN ISI WEB OF SCIENCE FOR PEER REVIEW AND SCIENTIFIC CONTRIBUTIONS :

- (1) **Environmental Monitoring and Assessments (Springer Nature) 2019:** Certificate of recognitions and contribution to article peer reviews in Sub-sahara Africa
- (2) **Environmental Earth Sciences (Springer Nature) 2019:** Certificate of recognition for quality and peer review contributions to the Journal

H INDEX : 7 (via Omeje Maxwell Google Scholar Citations)

i10 INDEX : 3 (via Omeje Maxwell Google Scholar Citations)

RESEARCHGATE IMPACT 23.28 (via Omeje Maxwell Researchgate profile)

INTERNATIONAL MEMBERSHIP:

American Association for Science and Technology (AASCIT) Website: <http://www.aascit.org>
(membership number:1001059)

NATIONAL COMMITTEE

Director, Maxico Hydrosolution Concept, Geophysical Survey, Borehole drilling, Groundwater development and Water Treatment wizard. 8b Owo Close, Area 10, Garki Abuja, Nigeria – November, 2008 – 2014.

THESIS

1. Radiometric Interpretation of Geologic Data and its Effect on Groundwater in Abuja, North-Central Nigeria, **Ph.D Thesis**, Universiti Teknologi Malaysia, 2014.
2. Two-half Dimensional Modeling of the Major Structures Underlying Guyuk, Shelleng, Dong and Numan of the upper Benue Valley Using GM-SIS Computer Modeling Software Program, **Msc Thesis**, Federal University of Technology, Yola, Nigeria 2010.
3. Automatic Street Light Controller using light emitting Diodes, **Bsc Project**, Enugu State University of Science and Technology, Enugu, Nigeria, 2002.

EXPERT REPORT

Key Features:

- Expert in using Kaleida Graph-E for statistical/graphical analysis
- Using Genie 2000 software for gamma ray analysis and interpretation of ROI on Energy spectral lines of multichannel analyzer
- Interactive model display using plan, cross-section and full 3D view for groundwater investigation
- Using Surfer (grd) file to import variable layer surface (X, Y, and Z) and reproducing pseudovisual of subsurface structures.
- Using Groundwater modeling system (GMS 4.0) for Borehole, scatter point, and Geophysical data tools which allows creation of stacked surface models or fully 3D volumetric solid model
- Create contour maps using the grid wizard
- Visual and automatic curve matching using WinResist for resistivity survey
- Double-porosity and discrete fissure solutions for fractured aquifers multiple pumping, observation and image well

REFEREES

1. **Prof. Dr Mohamad Alam Saeed**
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<http://www.researcherid.com/rid/J-7455-2012>
<http://scholar.google.com.my/citations?user=QjPoerMAAAAJ&hl=en>
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