

**CURRICULUM VITAE of**  
**Prof. A. N. AMADI (<https://profamadi.com/>)**



**Brief Profile**

I am a Professor of Hydrogeology/Environmental-Geology/Engineering-Geology in the Department of Geology at the Federal University of Technology, Minna, Nigeria since 2020. My sundry studies of rock and Soil, Foundation and Erosion, Climate Change, Groundwater and Surface-water/ Stream Sediments provide useful information on the Nexus between Geology and Environment. Currently, my research focus is on rock-water interaction, engineering properties of soil, soil-water pollution monitoring, and medical geology. Outcome of some of the research investigation revealed that the problem of fluorosis (Brown Colouration of Teeth) in Langtang (Plateau State), Hong (Adamawa State), Zing (Taraba State), and Zango (Katsina State) is purely Medical Hydrogeology problem arising from the dissolution and enrichment nacaphite mineral into the shallow groundwater system (Hand Dug Wells) in these areas, We have also investigated the Potential Health Impact of Naturally Occurring Radioactive Materials (NORM) in Mika and Mayo-lope Areas, North-Eastern Nigeria, which have caused illness and mutations in both humans and animals in the communities. I am an established scholar and a leading expert in Medical Hydrogeology, Environmental Impact Assessment (EIA), Bioremediation, and Water Resources Management. I am the Lead Geologist that investigated the Geology component of the EIA for the NNPC Power Plant Project at Dikwa, Gwagwalada, Abuja and the African Medical Centre of Excellence, Cadastral Zone C22, Abuja. I also doubled as Project Coordinator for the Agro-Climatic Resilience in Semi-Agro Landscape (ACReSAL) and the Consultant Geology/Hydrogeology/Hydrology sector of the Water Catchment Project. I have and still managing large research projects and involved in several collaborative studies across the globe. I have a teaching and research experience in the University for over two decades and have supervised several undergraduate and postgraduate research projects as well as several consultancy projects. My research accomplishment is evidenced by over 150 journal publications, Keynote Speaker and Lead Paper Presenter at International and National Conferences. My research and publications are visible in my Google Scholar Citation, ResearchGate and other academic platform. I am a member of many National and International Geoscience Professional Association and the Hydrogeology Coordinator, of African Water Resource Mobility Network (AWaRMN), European Union Sponsored Intra-African Mobility Network involving FUT-Minna, and four other Universities in Africa with Delft University of Technology as Technical Partners, aimed at Internationalization of African Higher Education Institutions and promotion of Multiculturalism among African Partner Universities.

## 1. PERSONAL DATA

**Name:** Prof. Akobundu Nwanosike AMADI

**Sex:** Male

**Date of Birth:** 4<sup>th</sup> April, 1976

**Place of Birth:** Umuezom-Umuekwune

**Nationality:** Nigerian

**State of Origin:** Imo, Nigeria

**Local Government Area:** Ngor-Okpala

**Marital Status:** Married

**Number of Children:** Four

**Languages Spoken:** Igbo, English (Very Good); Hausa (Fair)

**Permanent Home Address:** Amadi Home, Umuezom-Umuekwune,  
Ngor-Okpala, Off Aba-Owerri Road, Imo State

**Correspondence Address:** Department of Geology, FUT, Minna, Niger State

**Telephone Number:** +234-8037729977 or +234-9019124833

**Email Address:** *an.amadi@futminna.edu.ng or geoama76@gmail.com*

**Google Scholar:** Citations @ 30<sup>th</sup> May, 2024 = 2155  
h-index @ 30<sup>th</sup> May, 2024 = 25  
i10-index @ 30<sup>th</sup> May, 2024 = 56

**ResearchGate:** Research Interest Score @ 30<sup>th</sup> May, 2024 = 1,875  
Citations @ 30<sup>th</sup> May, 2024 = 1,895  
h-index @ 30<sup>th</sup> May, 2024 = 25

**Area of Specialization:** Hydrogeology, Engineering Geology, Environmental Geology, Hydrogeophysics, Geochemistry, Medical Geology, Environmental Impact Assessment

**Research Interests:** Water Quality Monitoring, Soil Quality Characterization, Nexus between Groundwater and Human Health, Climate Change and Water Resources Management, Groundwater Potential Studies, Borehole Drilling and Pumping Tests

## EDUCATIONAL INSTITUTIONS ATTENDED/QUALIFICATIONS

(In chronological order)

S/No	Institutions Attended	Dates	Qualifications (With Class of Degree)
1	Community Primary School, Umuekwune	1982–1988	FSLC
2	Comprehensive Secondary School, Umuekwune	1989–1994	SSCE
3	Federal University of Technology, Minna	1999–2004	BSc/BTech (2 <sup>nd</sup> Class Upper Div.)
4	Federal University of Technology, Minna	2005–2007	MSc/MTech (Distinction)
5	Federal University of Technology, Minna	2009–2014	PhD

### 3. WORK EXPERIENCE/CAREER PROGRESSION

(In chronological order)

S/No	Name of Organization	Date	Positions Held/Rank
1	Dammes Associate Nig. LTD (NYSC)	2004 – 2005	Site Geologist
2	Federal University of Technology, Minna	2005 – 2008	Assistant Lecturer
3	Federal University of Technology, Minna	2008 – 2011	Lecturer II
4	Federal University of Technology, Minna	2011 – 2014	Lecturer I
5	Federal University of Technology, Minna	2014 – 2017	Senior Lecturer
6	Ibrahim Badamasi Babangida University, Lapai (Sabbatical)	2015 – 2016	Senior Lecturer
7	Federal University of Technology, Minna	2017 – 2020	Associate Professor
8	Federal University of Technology, Minna	2020 – date	Professor
9	Makerere University Kampala, Uganda (AWaRMN Staff Mobility Program)	2023 – 2024	Professor

### 4. STUDENTS/MANPOWER DEVELOPMENT

#### 4.1 Teaching Responsibility

##### 4.1.1 UNDERGRADUATE COURSES:

S/No	Course Title	Course Code	Credit Units	Session(s)
1	Geological Map Interpretation	GEL 213	2	2016 – 2019
2	Introduction to Petrology	GEL 221	2	2016 – date
3	Geological Mapping (Fieldwork)	GEL 322	2	2007 – date
4	Igneous Petrology	GEL 312	2	2006 – date
5	Structural Geology	GEL 315	2	2008 – date
6	Geological Mapping (Fieldwork)	GEL 418	2	2008 – date
7	Hydrogeology	GEL 412	3	2008 – date

8	Sedimentary Environments and Basin Analysis	GEL 524	3	2014 – 2022
9	Applied Hydrogeology	GEL 526	3	2008 – 2019
10	Seminar Project	GEL 510	2	2006 – date
11	Research Project	GEL 520	6	2006 – date
<b>Sabbatical at IBB University, Lapai</b>				
12	Introduction to Structural Geology and Map Interpretation	GLG 201	3	2015/2016
13	Introduction to Geophysics	GLG 210	2	2015/2016
14	Global Tectonics	GLG 313	2	2015/2016
15	Entrepreneurial Geology	GLG 402	2	2015/2016
16	Marine Geology	GLG 404	2	2015/2016
17	Applied Geophysics	GLG 405	2	2015/2016
18	Basin Analysis	GLG 408	2	2015/2016
19	Photogeology and Remote Sensing	GLG 411	2	2015/2016
20	Seminar in Geology	GLG 413	3	2015/2016
21	Field Geology III	GLG 417	2	2015/2016
22	Research Project	GLG 420	6	2015/2016
<b>Intra-Africa Academic Mobility Scheme with the African Water Resources Mobility Network (AWaRMN), European Union Sponsored Program at Makerere Unversty, Kampala, Uganda</b>				
23	Introduction to Hydrogeology	GLO 2211	3	2023/2024
24	Groundwater Quality	GLO 3207	3	2023/2024

#### 4.1.2 POSTGRADUATE COURSES: (MTech)

S/No	Course Title	Course Code	Credit Units	Session(s)
1	Advanced Structural Geology	GEL 814	3	2010 – Date
2	Groundwater Flow Theory	GEL 816	2	2010 – Date
3	Hydrogeological Environment	GEL 830	2	2010 – 2019
4	Environmental Geology and Water Quality	GEL 821	3	2012 – Date
5	Environmental Geochemistry	GEL 851	3	2020 – Date
6	Environmental Impact Assessment	GEL 860	3	2017 – Date
7	Pollution Control and Environmental Remediation	GEL 863	2	2017 – Date
8	Masters Seminar Supervision	GEL 810	2	2014 – Date
9	Masters Fieldwork	GEL 811	2	2014 – Date
10	Masters Thesis Supervision	GEL 820	6	2014 – Date
11	Ph.D Thesis Supervision			2014 – Date
<b>Sabbatical at IBB University, Lapai</b>				
<b>PGD in Water Resources and Environmental Management</b>				

10	Hydrology and Water Resources	GEO 606	2	2015/2016
<b>MSc in Water Resources and Environmental Management</b>				
11	Hydrology and Water Resources	GEO 706	2	2015/2016
12	Aquifer Systems	GEO 707	2	2015/2016
13	Water Chemistry and Health	GEO 726	2	2015/2016
14	Geography and Geology of Nigeria and Africa	GEO 732	2	2015/2016

## 4.2 PROJECT/THESIS SUPERVISION

### 4.2.1 UNDERGRADUATE PROJECTS (within the last 4 sessions)

S/No	Number of Students	Session(S)
1	11	2020/2021
2	09	2021/2022
3	10	2022/2023
4	12	2023/2024

### 4.2.2 POSTGRADUATE PROJECTS/THESIS

#### MSc/MTech

S/No	Name of Student	Reg Number	Title of Thesis/Desertation	Session	Remark
1	AMEH, Igoche Mark	MTech/SNA S/2012/3961	Integrated Geoscience Investigations Requisite for Designing a Sanitary Landfill System in Minna, Northcentral Nigeria	2015/2016	Completed  Major- Supervisor
2	MUSA Aisha	MTech/SNA S/2013/4380	Hydrogeochemical Investigation of Surface and Groundwater Quality around Anguwan Maigiru area of Niger State, North-central Nigeria	2016/2017	Completed  Major- Supervisor
3	EBIEME, Essang Essang	MTech/SNA S/2013/4676	Pollution levels in Soil, Stream Sediment, Surface and Groundwater in Madaka Area, Niger State, North-central Nigeria	2016/2017	Completed  Major- Supervisor
4	MUHAMMED, Omeiza Nurudeen	MTech/SNA S/2013/4537	Hydrogeochemical Assessment of Surface and Groundwater Quality in Gussoro, Niger State, North-central Nigeria	2016/2017	Completed  Major- Supervisor

5	OLUSHOLA, Boluwade Moses	MTech/SPS/ 2014/4940	Evaluation of Groundwater in Gotomo, Kebbi State, Northwestern Nigeria using Geochemical and Geophysical Methods	2017/2018	Completed  Major- Supervisor
6	UMORU, Titi Abdulasisi	MTech/SPS/ 2014/5025	Hydrogeochemical Assessment of Groundwater Quality in Auchi and its Environs	2017/2018	Completed  Major- Supervisor
7	EGHAREVBA, Jerome Kingsley	MTech/SPS/ 2014/5258	Assessment of the Impact of Artisanal Gold Mining on the Groundwater Quality in Galadima Kogo, Niger State	2017/2018	Completed  Major- Supervisor
8	MOMOHJIMO H, Ojo	MTech/SPS/ 2014/5260	Hydrogeochemical Evaluation of Surface and Groundwater Quality around Itakpe, North- central Nigeria	2017/2018	Completed  Major- Supervisor
9	IGBOMOR Benjamin	MTech/SPS/ 2016/6311	Investigation of Groundwater Quality in parts of Onitsha, Southeastern Nigeria	2018/2019	Completed  Major- Supervisor
10	FOLORUNSHO, Owolabi Wahab	MTech/SPS/ 2017/7353	Evaluation of Geological Materials with Plastic Additives for the Production of Pavement Blocks: A Case Study of Offa, North-central Nigeria	2019/2020	Completed  Major- Supervisor
11	OKOLO, Samson Ikenna	MTech/SPS/ 2017/6694	Assessment of Selected Gully Erosion Sites in Bida Town, North-central Nigeria using Integrated Geoscience Techniques	2019/2020	Completed  Major- Supervisor
12	IBRAHIM, Habib Adamu	MTech/SPS/ 2018/8164	Pollution Levels in Soils, Stream Sediments, Surface and Groundwater in Kwalk-Walawa Fadama, North-western Nigeria	2019/2020	Completed  Major- Supervisor
13	OLU-OJO, Bolade M.	MTech/SPS/ 2018/7764	Quality Assessment of Stream Sediment and Surface Water in Gwagwalada Gold Mining Sites, North-Central Nigeria	2019/2020	Completed  Major- Supervisor
14	RUFAl, Hafis	MTech/SPS/ 2019/10442	Impact of Industrialization on the Groundwater Quality in Kakuri Area of Kaduna State,	2019/2020	Completed  Major-

			Northwestern Nigeria		Supervisor
15	PAUL Nelson Manase Okot	MTech/SPS/ 2021/11297	Evaluation of Groundwater Potential using Geospatial and Geophysical Techniques in parts of Obbo and Magwi, Eastern Equatoria State, South Sudan  The candidate is from South Sudan, under the African Water Resources Mobility Network (AWaRMN), Intra-Africa Academic Mobility Scheme sponsored by European Union	2021/2022	Completed  Major-Supervisor
16	ILUNGA Dady Stephane Nyembwe	MTech/SPS/ 2021/12375	Evaluation of Aquifer Hydraulic Properties from Resistivity and Pumping Test Data in parts of Gwagwalada, North-central Nigeria  The candidate is from Democratic Republic of Congo, under the African Water Resources Mobility Network (AWaRMN), Intra-Africa Academic Mobility Scheme sponsored by European Union	2021/2022	Completed  Major-Supervisor
17	OKEZIE, Chinedozie Ihemtuge	MTech/SPS/ 2019/11037	Assessment of the Geotechnical Properties of the Subsoil in parts of Gwagwalada Abuja, for Foundation Design and Construction	2021/2022	Completed  Major-Supervisor
18	FARUNA, Joshua Enemona	MTech/SPS/ 2021/11381	Evaluation of Groundwater Quality from Hand-dug wells in Kwankwashe, North-central Nigeria	2022/2023	Completed  Major-Supervisor

### PhD

S/No	NAME OF STUDENT	REG. NO	THESIS TITLE	SESSION	REMARK
1	OKANLAWON,	PhD/SNAS/2	Investigation of Heavy	2017/2018	Completed

	Michael Olawale	012/459	Metal Contaminant pathway in Kawo and Maigiro Mining Fields, North-central Nigeria		Co-Supervisor
2	AMEH, Igoche Mark	PhD/SPS/2016/854	Geological and Hydrogeophysical Investigation of Groundwater Systems in Otukpo and its Environs, North-central Nigeria	2019/2020	Completed Major-Supervisor
3	SULE, Tunde Usman Nurudeen	PhD Reg. No. P98971 PhD Student at National University of Malaysia	Environmental Impact of Mineral and Industrial Rocks Mining on Surface and Groundwater Quality around Ikpeshi and Environs, Southern Nigeria	2020/2021	Ongoing Co-Supervisor
4	UMORU, Titi Abdulasisi	PhD/SPS/FT/2021/11486	Assessment of Water Balance of Orle River Catchment in Edo State, Nigeria for Sustainable Surface and Groundwater Resources Management in a Changing Climate	2021/2022	Ongoing Major-Supervisor
5	MASPALMA, Samson Stanley	PhD/SPS/FT/2021/11740	Assessment of Naturally Occurring Radioactive Materials in Rocks, Soils, Groundwater and Plants in Mika and Mayolope Areas, North-Eastern Nigeria	2021/2022	Ongoing Major-Supervisor
6	DANUNG, Istifanus John	PhD/SPS/FT/2021/11342	Spatio-Temporal Evaluation of Groundwater Potentials in Jos Plateau, Nigeria	2021/2022	Ongoing Major-Supervisor
7	EKUNDAYO, Oluwatoni Oluwaseun	PhD/SPS/FT/2021/11999	Impact of Climate Variability on Groundwater Recharge in Minna, Niger State, Nigeria	2021/2022	Ongoing Major-Supervisor
8	OMOYAJOWO, Busoye Thomas	PhD/SPS/FT/2022/12779	Evaluation and Remediation of the Impact of Lepidolite Mining on Soil and Water Quality around Ijero-Aramoko Mining Site,	2022/2023	Ongoing Major-Supervisor

			Southwest Nigeria		
9	IBRAHIM, Habib Adamu	PhD/SPS/FT/2022/12780	Hydrogeochemical Characterization and Remediation of Groundwater from parts of Sokoto Basin, Northwestern Nigeria	2022/2023	Ongoing  Major-Supervisor
10	MUSA, Aisha	PhD/SPS/FT/2022/12781	Hydrogeochemical Study and Risk Assessment of the Impact of Artisanal Gold Mining in Gwagwalada and Tunga-Maje area, Northcentral Nigeria	2022/2023	Ongoing Major-Supervisor

## 5. ADMINISTRATIVE RESPONSIBILITIES

### DEPARTMENT:

S/No	TYPE OF RESPONSIBILITY	SESSION(S)
1	SIWES Coordinator	2006 – 2013
2	Time Table Officer	2006 – 2013
3	Turnitin Officer	2012 – 2015
4	Internal Examiner for: i. KATUN, Mohammed Jiya (MTech/SSSE/2010/2350) ii. SABO, Sani (MTech/SSSE/2010/2613) iii. MASPALMA, Samson Stanley (MTech/SSSE/2010/2734) iv. LAWAL, Musa Bazza (MTech/SSSE/2010/2731)	2013/2014
5	Member: Department of Geology Postgraduate Board	2013 – date
6	Internal Examiner for: ANCHO, Isah Moses (MTech/SNAS/2012/3616)	2014/2015
7	Internal Assessor for PhD Proposal defense of MOHAMMED, Laminga Mohammed (PhD/SNAS/2013/516)	2014/2015
8	Fieldwork Coordinator	2016 – 2023
9	Internal Examiner for: i. GBAKO, Shekwoduzo (MTech/SPS/2014/4880) ii. CHIA, Ronald Aondosoo (MTech/SPS/2014/5268)	2016/2017
10	Member, Committee for Environmental Geology as a Postgraduate Program in the Department of Geology, FUT-Minna	2016/2017
11	Internal Examiner for: AGHWADJE, Akpevwe (MTech/SPS/2015/5396)	2017/2018
12	Internal Examiner for: i. ALIMI, Jamin Alao (MTech/SPS/2016/6255) i. HARUNA, Ismaila (MTech/SPS/2016/6294)	2018/2019

13	Member, Departmental NUC Accreditation Committee	2018/2019
14	Internal Examiner for: i ZAKARI Mohammed Sani (MTech/SPS/2017/6725) ii YOHANNA, Agatha Butack (MTech/SPS/2017/6880)	2019/2020
15	Member, Committee for Engineering Geology as a Postgraduate Program in the Department of Geology, FUT-Minna	2019/2020
16	Internal Examiner for: UMAR, Mohammed Umar (PhD/SPS/2015/822)	2021/2022
17	Internal Examiner for: i BUBA, Wilson Mbore (MTech/SPS/2018/8437) ii ADEDAYO, Samuel (MTech/SPS/2018/7881)	2022/2023
18	Member, Departmental Committee on NUC-CCMAS-30% Geology Programme Syllabus Composition/Modification	2022/2023
19	Member, Departmental Quality Assurance and Disciplinary Committee	2023 till date
<b>Sabbatical at IBB University, Lapai</b>		
20	Acting HOD, Department of Geology and Mining, IBB University, Lapai	2015/2016
21	Chairman, Investigation Committee on Students Misconduct during 2015/2016 Fieldwork	2015/2016

## SCHOOL

S/No	TYPE OF RESPONSIBILITY	SESSION(S)
1	SIWES Coordinator, School of Physical Sciences	2014 – 2015
2	Turnitin Advicer, School of Physical Sciences	2014 – 2015
3	Turnitin Adviser, School of Natural and Applied Sciences	2013 – 2014
4	Deputy SIWES Coordinator, School of Natural and Applied Sciences	2012 – 2014
5	Board Member, School of Science and Science Education	2005 – 2011
6	Board Member, School of Natural and Applied Sciences	2011 – 2014
7	Board Member, School of Physical Sciences	2014 – Date
8	Member, School of Physical Sciences Biennial International Conference Committee	2020 – Date
<b>Sabbatical at IBB University, Lapai</b>		
8	Acting Dean, Faculty of Applied Sciences and Technology, IBB University Lapai	2015/2016
9	Chairman, Faculty Examination Misconduct Investigation Committee	2015/2016
10	Chairman, Faculty Examination Results Consideration Committee	2015/2016

## UNIVERSITY:

S/No	TYPE OF RESPONSIBILITY	SESSION(S)
1	Postgraduate Representative at the PhD Oral Research Proposal defense for MUHAMMAD, Abdullahi Tyabo (PhD/SEET/2015/660)	2016/2017

2	Postgraduate Representative at the PhD Oral Research Proposal defense for YUSUF, Tanko Usman (PhD/SPS/2015/770)	2016/2017
3	Postgraduate Representative at the PhD Oral Research Proposal defense for ISAH, Nwaha Abdul (PhD/SEET/2017/921)	2017/2018
4	Postgraduate Representative at the PhD Oral Research Proposal defense for SHITTU, Hammed Olarewaju (PhD/2018/9302)	2018/2019
5	Postgraduate Representative at the PhD Oral/External Examination for MUHAMMAD, Abdullahi Tyabo (PhD/SEET/2015/660)	2021/2022
6	Postgraduate Representative at the PhD Oral/External Examination for MADAKI, Josephine Akenosi (PhD/SPS/2016/947)	2021/2022
7	Postgraduate Representative at the PhD Oral/External Examination for ISAH, Nwaha Abdul (PhD/SEET/2017/921)	2023/2024

## 6. COMMUNITY AND SPECIAL SERVICES

### 6.1 Community Services within the University

#### DEPARTMENT

S/No	TYPE OF COMMUNITY SERVICE	SESSION(S)
1	Donation of Books (Electronic and Hardcopies)	2012/2013
2	Donation of Topo Maps (Electronic and Hardcopies)	2013/2014
3	Complimentary copies of <i>Essential of Structural Geology</i> and <i>Fundamentals of Plate Tectonics</i> Textbooks to All Geology Staff	2014/2015

#### SCHOOL

S/NO	TYPE OF COMMUNITY SERVICE	SESSION(S)
1	LOC Member, School of Physical Science Biennial International Conference	2019 – date

#### UNIVERSITY:

S/NO	TYPE OF COMMUNITY SERVICE	SESSION(S)
1	Member, Committee that Investigated a Case of Theft of Compaq Laptop Computer at Biology Laboratory, Bosso Campus	2018/2019
2	Member, University Ceremony Committee	2021 – date
3	Chairman, University Project Commissioning Committee	2021 – date

## 6.2 COMMUNITY SERVICES OUTSIDE THE UNIVERSITY

S/No	TYPE OF COMMUNITY SERVICE	YEAR
1	Lead Paper Presenter on the Topic: <b>‘Use of Geological Materials Enhanced with Plastic Waste Additives in the Production of High Performance Pavement Blocks for Road Construction’</b> at the 9 <sup>th</sup> Annual International Conference and Exhibitions of the Nigerian Association Engineering Geology and the Environment, with the Theme: Engineering Geology for Sustainable Highway Pavement and Buildings in a Changing Global Climate, held between 15 <sup>th</sup> – 19 <sup>th</sup> September, 2024 at Casoni International Hotels & Suites LTD, Port-Harcourt.	2024
2	Lead Paper Presenter on the Topic <b>‘Integration of Smart Technologies (ST) and Artificial Intelligence in Groundwater Management’</b> at 35 <sup>th</sup> Annual International Conference and Exhibitions of the Nigerian Association of Hydrogeologists (NAH), with the Theme: Groundwater Development and Regulatory Framework in Nigeria, held between 3 <sup>rd</sup> to 8 <sup>th</sup> November, 2024 at the Grand Central Hotel, Bompai Road, Nasarawa GRA, Kano	2024
3	Member, NUC Ad-Hoc Accreditation Panel to Evaluate Geology Programme at Ebonyi State University, Abakiliki, Ebonyi State	2023
4	Member, NUC Ad-Hoc Accreditation Panel to Evaluate Geology Programme at Gregory University, Uturu, Abia State	2023
5	NUC Resource Person on Verification Visit to Proposed Undergraduate Programme in Michael Okpara University of Agriculture, Umudike, Abia State	2023
6	Member, Local Organizing Committee and Chairman, Venue and Accommodation for the Nigerian Association for Engineering Geology and the Environment held in Minna (NAEGE-Minna-Conference)	2023
7	INEC Collation Officer for Iku-South-1 Ward Collation Centre, Mandalla, Suleja Local Government Area for Presidential, National Assembly (Senate and House of Representative), Governorship and State House of Assembly Elections	2023
8	Chairman, NUC Ad-Hoc Accreditation Panel to Evaluate Geology Programme at Yobe State University, Damaturu, Yobe State	2022
9	Consultant Geologist/Hydrogeologist, Gwagwalada Independent Power Plant Project, Gwagwalada, Abuja	2022
10	Consultant Geologist/Hydrogeologist, African Medical Centre of Excellence, Plot 32, Cadastral Zone C-22, Phase 3, Abuja	2022
11	Member, NUC Ad-Hoc Accreditation Panel to Evaluate Geology Programme at Skyline University of Nigeria, Kano	2021
12	Member, NUC Ad-Hoc Accreditation Panel to Evaluate Geology Programme at Kano University of Science and Technology, Wudil	2021
13	Chairman, Skill Acquisition Training Program organized by Mountain of Fire and Miracle Ministries (MFM), North-central 4 Regional Headquarters, Minna, Niger State	2021

14	Facilitator, National Open University of Nigeria, Minna Study Centre under Environmental Sciences	2020
15	NUC Resource Person on Verification Exercise for Proposed Postgraduate Programmes at Al-Hikmah University Ilorin, Kwara State	2019
16	Member, NUC Ad-Hoc Accreditation Panel to Evaluate Geology Programme at Gombe State University, Gombe	2019
17	Chairman, Technical Session on Hydrogeology, Annual International Conference of the Ghana Institution of Geoscientists, held at University of Mines and Technology, Tarkwa, Ghana between 13 <sup>th</sup> – 16 <sup>th</sup> August, 2019.	2019
18	Discussant, Panel Discussion on the Topic: Job Market for Geoscientist: The role of Ghana Institution of Geoscientists, 2 <sup>nd</sup> Plenary Session of the Annual International Conference of the Ghana Institution of Geoscientists, at University of Mines and Technology (UMaT), Tarkwa, Ghana.	2019
19	Chairman, Technical Session on Environment, 1 <sup>st</sup> Faculty of Natural Sciences Annual Conference (FONSAC 2019), IBB University, Lapai	2019
20	CMT- Chairman, Grace Nation International (aka Liberation City), Minna Branch	2018 – 2020
21	Secretary, Local Organizing Committee, Nigerian Association of Hydrogeologist (Minna-NAH-2018) held at Legbo Kutiti International Conference Centre Minna	2018
22	Vice Chairman, Nigerian Association of Hydrogeologist (NAH), Minna Chapter	2017 – 2023
23	Chairman, Technical Session on Environment, Energy and Sustainable Development at the International Conference on Education, Development and Innovation (INCEDI-2016) in Accra, Ghana	2016
24	Chairman, Technical Session on Sustainable Groundwater Development at the 7 <sup>th</sup> International Conference and Annual General Meeting of Nigeria Association Hydrological Sciences held at FUT-Minna	2016
25	Chairman, Technical Session on Sanitation, Water Policy and Legislation at the 7 <sup>th</sup> International Conference and Annual General Meeting of Nigeria Association Hydrological Sciences, held at FUT-Minna	2016
26	Member, Conference Organizing Committee, 7 <sup>th</sup> International Conference and Annual General Meeting of Nigeria Association Hydrological Sciences, tagged ‘Minna 2016’ held at FUT-Minna	2016
27	Donation of Books to Department of Geology and Mining, Ibrahim Badamasi Babangida University, Lapai	2015
28	External Monitoring Officer, National Examination Council (NECO)	2015
29	Chairman, Nigerian Mining and Geosciences Society (NMGS), Minna Chapter	2014 – 2023
30	General Secretary, Nigerian Mining and Geosciences Society (NMGS), Niger State Chapter	2008 – 2014
31	Vice Chairman, Igbo Staff Association (ISA), Federal University of Technology, Minna	2014 – 2018
32	Financial Secretary, Igbo Staff Association (ISA), Federal University of Technology, Minna	2009 – 2015

33	Member, Local Organizing Committee of the of the 25 <sup>th</sup> Annual International Conference of Nigerian Association of Hydrogeologist	2013
34	Member, Local organizing committee of the 47 <sup>th</sup> Annual International Conference of Nigerian Mining and Geosciences Society	2011
35	Team Member, Preliminary investigation of reported occurrence of Earth Tremor at Lumpma Village, Paiko Local Government Area, Niger State	2011

## 7. CONSULTANCY SERVICES

S/No	TYPE OF CONSULTANCY SERVICES	YEAR
1	<b>Project Coordinator</b> , Agro-Climatic Resilience in Semi-Arid Landscape (ACReSAL) Project for Niger State, a World Bank Sponsored Programme for 19 Northern States and FCT Abuja.	2024
2	<b>Lead Consultant</b> , Geology/Hydrogeology/Hydrology Sector, Agro-Climatic Resilience in Semi-Arid Landscape (ACReSAL) Project	2024
3	<b>Lead Hydrogeologist/Hydrologist</b> , for the Aerial and Geotechnical Survey for Niger State Irrigation Project by Engineering and Environmental Management Services Limited (EEMS Limited),	2024
4	<b>Lead Geoscientist</b> that investigated the Geology, Hydrogeology and Hydrology component of the Environmental and Social Impact Assessment for the NNPC Power Plant Project at Dikwa, Gwagwalada, Abuja.	2022
5	<b>Lead Geoscientist</b> that investigated the Geology, Hydrogeology and Hydrology component of the Environmental and Social Impact Assessment for the African Medical Centre of Excellence, Cadastral Zone C22, Abuja	2022
6	<b>Consultant Geologist/Hydrogeologist</b> , Pioneer Geoservices Limited, A Pre-drilling Geophysical Survey and Borehole Drilling Firm	2020 – date

## 8. EXTERNAL EXAMINERSHIP/ACADEMIC SUPPORT SERVICES

S/No	DEPARTMENT AND INSTITUTION	STATUS (OND/HND/ BTech/PhD etc)	YEAR
1	External Examiner to Department of Earth Sciences, University of Ghana, Legon, Accra, Ghana from 2020 to date	PhD ASARE Roland Candidate ID: 10640670	2023
2	External Examiner to Department of Earth Sciences, University of Ghana, Legon, Accra, Ghana from 2020 to date	PhD George Yamoah Afrifa Candidate ID: 10362774	2022
3	External Examiner to Department of Earth Sciences, University of Ghana, Legon, Accra, Ghana from 2020 to date	PhD OBED Fiifi Fynn Candidate ID: 10397249	2021
4	External Examiner to Department of Earth Sciences, University of Ghana, Legon,	PhD NYARKO Delaiah Antwi	2020

	Accra, Ghana from 2020 to date	Candidate ID (10703628)	
5	Visiting Lecturer to Department of Geology, Federal University Dutsin-Ma, Katsina State from 2020 to 2021	BSc Undergraduate	2021
6	Visiting Lecturer to Department of Geology, IBB University Lapai, Niger State from 2017 to 2020	BSc Undergraduate	2019

## 9. EDITORIAL/ACADEMIC SUPPORT SERVICES (EDITORSHIP, MANUSCRIPT REVIEW ETC)

S/N	TYPE OF SERVICE	(TITLE OF JOURNAL/BIBLIOGRAPHY/ PROCEEDINGS ETC)	YEAR
1	Reviewer	Journal of Information, Education, Science and Technology	2013 – date
2	Reviewer	Environmental Technology and Science Journal	2014 – date
3	Reviewer	Lapai Journal of Science and Technology	2015 – date
4	Reviewer	Ilorin Journal of Science	2016 – date
5	Reviewer	Nigerian Journal of Hydrological Sciences	2016 – date
6	Reviewer	Water Resources: Journal of Nigerian Association of Hydrogeologist	2016 – date
7	Reviewer	Minna Journal of Geosciences	2016 – date
8	Reviewer	Journal of Foods, Natural and Life Sciences	2017 – date
9	Reviewer	Nigerian Mining Journal	2018 – date
10	Reviewer	Journal of the Chemical Society of Nigeria	2018 – date
11	Reviewer	Journal of Mining and Geology (Nigerian Mining and Geosciences Society-NMGS-Journal)	2021 – date
12	Reviewer	Ife Journal of Science	2022 – date
13	Member	Editorial Board, Journal of Disaster Risk Management, FUT-Minna	2015 – date
14	Member	Editorial Board, Minna Journal of Geosciences	2016 – date
15	Managing Editor	Minna Journal of Geosciences	2020 – date

## 10. NATIONAL/INTERNATIONAL AWARD/PRIZES

S/NO	TYPE OF AWARD/PRIZE	YEAR
1	Chief J. O. Olowu/Nigerian Association of Hydrogeologist (NAH) 2008 Award for the best MSc/MTech Thesis in Hydrogeology in Nigerian Universities	2008
2	Fellow, Strategic Institute for Natural Resources and Human Development	2012
3	Award of Excellence by the Nigerian Mining and Geosciences Society, Ibrahim Badamasi Babangida University, Lapai (NMGS-IBBUL-Chapter)	2016

4	World Championship Award in Geosciences (Groundwater Quality) <a href="https://sites.google.com/site/worldchampionshipwinners/geoscience-world-championship">https://sites.google.com/site/worldchampionshipwinners/geoscience-world-championship</a>	2019
5	Fellow, Directorate of Geosciences, International Agency for Standards and Ratings <a href="https://sites.google.com/site/uabnuniversalagencybooknumber/international-agency-for-standards-and-ratings">https://sites.google.com/site/uabnuniversalagencybooknumber/international-agency-for-standards-and-ratings</a>	2019
6	Award of Honour as Ezi-Nwa by Church of Nigeria, Anglican Communion, Diocese of Egbu, Epiphany Anglican Church, Ezom-Akali, Umuekwune	2019
7	Sir Ahmadu Bello Sarduana Platinum Distinguish Leadership Award as Icon of National Transformation by National Association of Northern Nigeria Students (NANNS)	2020
8	NMGS/Prof. S. C. TEME Price for Best Paper Presentation Award for 2020. The Paper is titled: Geotechnical Evaluation of Quarry Dust Suitability as Constructional Material in Abuja and Environs. Presented at the 55 <sup>th</sup> Annual International Conference and Exhibition of Nigerian Mining and Geosciences Society held at Golden Royale Hotel, Enugu, Nigeria in 2019	2020

## 11. INVOLVEMENT IN NATIONAL/INTERNATIONAL LINKAGES

S/NO	Type of Linkage	Institution/Organization	Year
1	African Water Resources Mobility Network (AWaRMN) Intra-Africa Academic Mobility Scheme of the European Union	Rhodes University South Africa, Federal University of Technology Minna Nigeria, Makerere University Kampala Uganda, University of Kinshasa, Democratic Republic of Congo, National Higher School of Hydraulics Algeria and Delft University of Technology Netherlands as Technical Partners (An EU Sponsored Program)	2019-2024

## 12. RESEARCH ACTIVITIES

### 12.1 RESEARCH GRANT ATTRACTED TO THE UNIVERSITY

S/NO	TITLE OF GRANT	SOURCE	AMOUNT	DATE OF AWARD
1	African Water Resources Mobility Network (AWaRMN) Program involving Five African Universities (Rhodes University in South Africa, Federal University of Technology Minna in Nigeria, Makerere University in Uganda, University of Kinshasa in Democratic Republic of Congo and National Higher School of Hydraulics in Algeria) with Delft University of Technology in Netherlands as the Technical Partners	European Union	3.94 million Euros	2019/2020

	I am the Program Coordinator in Hydrogeology			
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### 12.2 RECENTLY COMPLETED RESEARCH (WITHIN THE LAST 36 CALENDAR MONTHS)

S/NO	TITLE OF RESEARCH	YEAR	SOURCE OF FUND
1	Assessment of Groundwater Vulnerability and Aquifer Characteristics in Port-Harcourt, Southern Nigeria	2016	Collaborative
2	Use of Remote Sensing and GIS in hydrogeological Mapping of parts of Minna, North-Central Nigeria	2017	Collaborative
3	Assessment of some Nigerian Coal Deposit as raw materials for the production of New Brand of Smokeless Fuel.	2017	TetFund-National Grant-Project awarded to Dept. of Geology & Mining, IBB University Lapai
4	Comparative Study on the Impact of Industrialization on Groundwater Quality in Aba and Onitsha, Southeastern Nigeria using Water Pollution Indicators	2018	Collaborative
5	Evaluation of Groundwater Potential and Aquifer Characterization in Owerri Southeastern Nigeria using Geophysical and Pumping Test data	2018	Collaborative
6	Impact of Oil-spills and Gas-flaring on the Quality of Rain Water, Surface Water, Groundwater and Soils in parts of Eastern Niger Delta, Nigeria	2019	Collaborative
7	Delineation of Graphite and Manganese Ore Deposits within Kagara and Tashan-Kade Area, North-Central Nigeria	2019	Collaborative
8	Geological Mapping and Assessment of Metallic and Industrial Minerals in parts of North-Central Nigeria (Kaduna, FCT, Niger and Nassarawa States)	2020	Ministry of Mines and Steel Development, Abuja

### 12.3 ONGOING FUNDED RESEARCH

S/NO	TITLE OF RESEARCH	SOURCE OF FUND
1	Comparative Study on the Impact of Artisanal Gold Mining on Soil, Stream Sediment, Surface and Groundwater Quality in Madaka and Kutayi Communities, North-central Nigeria	Collaborative
2	Application of Geographic Information System (GIS) and Geostatistical Model in the Assessment of Oil Spill in Niger Delta, Nigeria	Collaborative
3	Investigation of Source Rock Maturation and Petroleum Generation Potential within Agenebode-Okpekpe Axis, Anambra Basin, Southeastern Nigeria	Collaborative

4	Study on Groundwater Systems in Otukpo, North-Central Nigeria using Integrated Geosciences Techniques	Collaborative
5	Comparative Study on the Engineering Properties of Pavement Blocks made from Plastic Wastes and Cement in Abuja and Port-Harcourt, Nigeria	Collaborative
6	Geoelectrical Prospection for Ore Minerals deposit in parts of Zungeru Sheet163, North-Central Nigeria	Collaborative
7	Environmental and Health Implications of using Mercury and Cyanide in Artisanal Gold Mining in Nigeria	Collaborative
8	Groundwater Delineation using Remote Sensing, Geographic Information System and Electrical Resistivity Methods in Crystalline Terrain, Obbo Payam, Eastern Equatoria State, South Sudan	African Water Resources Mobility Network (AWaRMN) Sponsored by the European Union
9	Assessment of Naturally Occurring Radioactive Materials (NORM) in Rock, Soils, Groundwater and Plants in Mika and Mayolope Areas, North-Eastern Nigeria	Collaborative
10	Comparative Study on the Occurrence of Fluoride in Langtang, Hong and Zango Communities, Northern Nigeria	Collaborative

### 13. MAJOR ACADEMIC CONFERENCES/SEMINARS/WORKSHOPS ATTENDED

#### 13.1 INTERNATIONAL (within the last 10 years)

S/NO	TITLE	VENUE	YEAR
1	Annual International Conference of the Ghana Institution of Geoscientists (GhIG)	University of Mines and Technology, Tarkwa, Ghana	2019
2	4th International Conference on Civil, Environmental, Geology and Mining Engineering	Double Tree, Hilton, Trabzon, Turkey	2019
3	Workshop on Structural Geology and Global Tectonics with emphasis on Lithosphere Evolution and Mantle Geodynamics	Karadeniz Technical University, Trabzon, Turkey	2019
4	2 <sup>nd</sup> International Association of Engineering Geology Africa Regional Congress	Hotel De Bently, Utako District, Abuja, Nigeria	2019
5	2 <sup>st</sup> Biannual Conference of School of Physical Sciences, Federal University of Technology, Minna	CPES Complex, Bosso Campus, Minna	2019
6	1 <sup>st</sup> Biannual Conference of School of Physical Sciences, Federal University of Technology, Minna	CPES Complex, Bosso Campus, Minna	2017

7	International Conference on Education, Development and Innovation	Tang Palace Hotel, Accra, Ghana	2016
8	26 <sup>th</sup> Colloquium of African Geologist and 16 <sup>th</sup> Congress of Geological Society of Africa	University of Ibadan International Conference Centre	2016
9	International Conference on Water Africa and West Africa Building and Construction	Abuja International Conference Centre	2016
10	7 <sup>th</sup> International Conference of Nigeria Association of Hydrological Sciences	Chemical Engineering Complex, FUT-Minna	2016
11	4 <sup>th</sup> International Conference of School of Science and Technology Education, FUT-Minna	CPES Complex, Bosso Campus, Minna	2016
12	6 <sup>th</sup> International Conference of Nigeria Association of Hydrological Sciences	School of Postgraduate Studies, ABU Zaria	2015
13	1 <sup>st</sup> International Engineering Conference of School of Engineering and Engineering Technology, FUT-Minna	Chemical Engineering Complex, FUT Minna	2015
14	13 <sup>th</sup> Biennial Groundwater Division Conference and Exhibition	Elangeni Hotel, Durban, South Africa	2013

### 13.2 NATIONAL (within the last 10 years)

S/NO	TITLE	VENUE	YEAR
1	Workshop on Capacity Building in Basic Field and Laboratory Practices in Geochemical Research	International Conference Centre, University of Ibadan, Nigeria	2021
2	56 <sup>th</sup> Annual International Conference and Exhibition of Nigerian Mining and Geosciences Society	International Conference Centre, University of Ibadan, Nigeria	2020
3	Stakeholders' Workshop for the preparation of the Strategic Environmental and Social Assessment (SESA) of the Mineral Sector Support for Economic Diversification Project (MinDiver), World Bank Assisted Project, Ministry of Mines and Steel Development, Abuja	Hotel De Bentley, Plot 892 Ngozi Okonjo-Iweala Street, Utako District, Abuja, Nigeria	2019
4	26 <sup>th</sup> Regular Meeting of the National Council on Water Resources organized by Federal Ministry of Water Resources	Justice Idris Legbo Kutigi International Conference Centre, Minna, Nigeria	2019
5	4 <sup>th</sup> Annual National Association of Engineering Geology and Environment International Conference	Hotel De Bentley, Utako District, Abuja, Nigeria	2019
6	55 <sup>th</sup> Annual International Conference and Exhibition of Nigerian Mining and Geosciences Society	Golden Royale Hotel, Enugu, Nigeria	2019

7	31 <sup>st</sup> Annual National Conference and Workshop of Nigerian Association of Hydrogeologist	Vichi Gate Hotel, Ihama Road, Benin City, Nigeria	2019
8	54 <sup>th</sup> Annual International Conference and Exhibition of Nigerian Mining and Geosciences Society	Bayero University New Campus, Kano, Nigeria	2018
9	30 <sup>th</sup> Annual International Conference of Nigerian Association of Hydrogeologists	Justice Idris Legbo Kutigi International Conference Centre, Minna, Nigeria	2018
10	Research Grant Proposal Writing Workshop organized by Directorate for Research, Innovation and Development	Caverton Hall, FUT-Minna, Nigeria	2016
11	Instructional Leadership Actions Towards Institutional Effectiveness organized by Quality Assurance and Productivity Unit, FUT-Minna	Bosso Campus, FUT-Minna, Nigeria	2016
12	Research Methodology and Statistical Analysis	IBB University, Lapai, Nigeria	2016
13	Electronic Teaching and Learning Platform	IBB University, Lapai, Nigeria	2016
14	12 <sup>th</sup> ChemClass Conference, Chemical Society of Nigeria (Zaria Chapter)	School of Postgraduate Studies, ABU Zaria, Nigeria	2016
15	52 <sup>nd</sup> Annual International Conference and Exhibitions of Nigerian Mining and Geoscience Society	Kwara State Banquet Hall, Ilorin, Nigeria	2016
16	Water Africa & West Africa Building and Construction	Abuja International Conference Centre	2016
17	27 <sup>th</sup> Annual Conference of the Nigerian Association of Hydrogeologist	Newton Hotels, Owerri, Imo State, Nigeria	2015
18	Turnitin Workshop for Nigerian Universities	University of Ibadan, Nigeria	2014
19	26 <sup>th</sup> Annual International Conference of Nigerian Association of Hydrogeologists	Merit House, Maitama, Abuja, Nigeria	2014
20	25 <sup>th</sup> Annual International Conference of Nigerian Association of Hydrogeologists	Abdulsalam Youth Centre, Minna, Nigeria	2013
21	Advanced Seismic Interpretation and Sequences Stratigraphy Course using dGB OpendTech and Plugins organized by SAPETRO and DANVIC CONCEPTS LTD	Department of Geology, FUT Minna, Nigeria	2012
22	Entrepreneurship training course organized by Competency based Economies through Formation of Enterprise (CEFE)	Department of Geology, FUT Minna, Nigeria	2012
23	48 <sup>th</sup> Annual International Conference of Nigerian Mining and Geosciences Society	Eko Hotels and Suite, Lagos, Nigeria	2012

14. **MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS/BODIES/  
INSTITUTES** (Please List)

S/NO	NAME OF PROFESSIONAL ASSOCIATION
1	Member, Council of Nigerian Mining Engineers and Geoscientists ( <b>COMEG-2008-921</b> )
2	Member, International Association of Hydrogeologists ( <b>IAH-2008-123198</b> )
3	Member, American Association of Petroleum Geologist ( <b>AAPG-2003-804030</b> )
4	Member, Ghana Institution of Geoscientists ( <b>GhIG-2019-738</b> )
4	Member, Society of Exploration Geophysicists ( <b>SEG-A-2008-176869</b> )
5	Member, Society of Petroleum Engineers ( <b>SPE-2003-3159504</b> )
6	Member, Nigerian Mining and Geosciences Society ( <b>NMGS-C-2007-3376</b> )
7	Member, Nigerian Association of Hydrogeologists ( <b>NAH-CH-2007-0489</b> )
8	Member, Nigerian Association of Petroleum Explorationists ( <b>NAPE-ST-2003-315</b> )
9	Member, Nigerian Society of Mining Engineers ( <b>NSME-A-2014-0118</b> )
10	Member, International Medical Geology Association ( <b>IMGA-P-2019-034</b> )
11	Member, Nigerian Association for Engineering Geology and the Environment, an Affiliate of International Association of Engineering Geologist ( <b>IAEG-NAEGE-C-2019-171</b> )

15. **PROJECT/THESIS OF THE APPLICANT**  
(In the following order: BTech./MTech./Ph.D)

S/NO	TITLE OF PROJECT/THESIS	YEAR
1	An Assessment of the Geotechnical Properties of the Subsoil of parts of Federal University of Technology, Minna, Gidan Kwano Campus, for Foundation Design and Construction ( <b>BTech Project</b> )	2004
2	Aquifer Characterization and Groundwater Vulnerability around Owerri, Southeastern Nigeria ( <b>MTech Thesis</b> )	2007
3	Environmental Hydrogeochemistry of the Benin Formation of the Port-Harcourt, Aba and Owerri axis in the Niger Delta, Nigeria ( <b>PhD Dissertation</b> )	2014

16 **JOURNALS PUBLICATIONS**

*International*

1. Ilunga N., **Amadi, A. N.**, Ndatimana, G., Okot, N. and Tshimanga R. M., (2024). Evaluation of Aquifer Hydraulic Properties from Resistivity and Pumping Test Data in parts of Gwagwalada, Northcentral Nigeria. *Journal of Groundwater Science and Engineering*, 12, 309 – 320.
2. Nwankwoala, H. O., **Amadi, A. N.**, Nghargbu K'tso, Omofuophu, E. and Ibrahim, H. A., (2023). Risk based characterization and modeling of soils contaminated with Volatile Organic Compounds (VOCs) and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) in parts of Bonny Island, Rivers State, Nigeria, *World Scientific News*, 185, 125 – 147.
3. Folorunsho, O. W., Suleiman, T. M., **Amadi, A. N.**, Hassan, A. and Hakeem, O. A., (2023). Comparative Studies on the Strength of Pavement Blocks made from different Geological Materials with Plastic Wastes Additives and Cement Pavement for Use in Road Construction. *FUDMA Journal of Sciences*, 7(6), 191 – 199.  
DOI: <https://doi.org/10.33003/fjs-2023-0707-215>
4. Nwankwoala, H. O., **Amadi, A. N.**, Ige, O. O., Osayande, A. D., Ugbor, C. C., Koate, B. D., Bolaji, T. A., Orji, E. A. and Okujagu, D. C., (2022). Health Implications of Selected Heavy Metals around Hydrocarbon Impacted Sites in the Niger Delta: A Preliminary Investigation. *GSC Advanced Research and Reviews*, 11(1), 113 – 128.  
<http://doi.org/10.30574/gscarr.2022.11.1.0103>
5. Unuevho, C.I., **Amadi, A.N.**, Ejepu, S.J. and Udensi, E.E. (2022). Geological and Geoelectrical Outlining of Graphite Deposits Within Kagara, North-Central Nigeria. *Earth Sciences*, 11 (3), 79-88.  
<http://doi:10.11648/j.earth.20221103.14>
6. Nwankwoala, H. O. and **Amadi, A. N.**, (2021). Environmental Sustainability and Biodiversity Conservation: Implication for Sustainable Development in Nigeria. *Minna Journal of Geosciences*, 5(1&2), 134 – 150.
7. Shittu, H. O., Olarinoye, I. O., Kolo, M., **Amadi, A. N.**, Olukotum, O.F., Samuel, G. E. K., (2021). Mapping of Natural Gamma Radiation Dose rate distribution around Gidan-Kwano area, Minna, North-central Nigeria. *FUW Trends in Science and Technology Journal*, 6(3), 931 – 936.
8. Unuevho, O.M., Ako, T.A., Unuevho, C.I., Ejepu, S.J., **Amadi, A.N.**, Tahir, A. and Jatau, B.S. (2021). Lithologic, Petrographic and Geochemical Search for By-Passed Gold Mineralisation within Mutiundaya Gold Field in Minna Outskirts, North-Central Nigeria. *Nigerian Mining Journal*, 19(1), 7 – 18.
9. Zakari, M.I., Unuevho, C.I., **Amadi, A.N.** and Udensi, E.E. (2021). Geological and Geoelectrical Evaluation of Groundwater Pollution Status Related to Gold Mine Leachates within Bariki and Environs, North-Central Nigeria. *Water Resources*, 31(1), 42 – 57.

10. Folorunsho, O. W. and **Amadi, A. N.**, (2020). Production of Pavement Blocks from Plastic Waste. *The Pacific Journal of Science and Technology*, 21(2), 36 – 43. A publication of Akamai University, USA.  
[http://www.akamaiuniversity.us/PJST21\\_2\\_36.pdf](http://www.akamaiuniversity.us/PJST21_2_36.pdf)
11. **Amadi, A. N.**, Umoru, T. A., Umeugochukwu, O. P., Nwankwoala, H. O., Sule, T. U. N., Oguntade, A. S., Ibrahim, H. A. and Hussaini, S. U., (2020). Suitability of Groundwater in Auchi and Its Environs for Irrigation Purposes. *The Pacific Journal of Science and Technology*, 21(2), 379 – 387. A publication of Akamai University, USA.  
[http://www.akamaiuniversity.us/PJST21\\_2\\_379.pdf](http://www.akamaiuniversity.us/PJST21_2_379.pdf)
12. Nwankwoala, H. O., **Amadi, A. N.**, Omofuophu, E. and Ibrahim, H. A., (2020). Risk Evaluation and Modeling of Soils Contaminated with Polycyclic Aromatic Hydrocarbons (PAHs) in parts of Bonny Island, Niger Delta, Nigeria. *Annals of Civil and Environmental Engineering*, 4(1), 15 – 26.  
<https://doi.org/10.29328/journal.acee.1001021>, <https://www.heighpub.org/hjcee>
13. **Amadi, A. N.**, Udoh, B. O., Ozoji, T. M., Akande, W. G., Shaibu, I., Dan-Hassan, M. A., Hussaini, S. U. and Oguntade, A. S., (2020). Quality Assessment of Groundwater in Parts of Niger Delta, Southern Nigeria using Metal Pollution Index and Factor Analysis. *The Pacific Journal of Science and Technology*, 21(1), 280 – 289. A publication of Akamai University, USA.  
[http://www.akamaiuniversity.us/PJST21\\_1\\_280.pdf](http://www.akamaiuniversity.us/PJST21_1_280.pdf)
14. Udoh, B. O. and **Amadi, A. N.**, (2020). Evaluation of Heavy Metal Pollution Level in Soils and Plants around Ibeno Area, Akwa-Ibom State, Niger Delta, Nigeria. *The Pacific Journal of Science and Technology*, 21(1), 290 – 303.  
[http://www.akamaiuniversity.us/PJST21\\_1\\_290.pdf](http://www.akamaiuniversity.us/PJST21_1_290.pdf)
15. Aweda, A. K., **Amadi, A. N.**, Kyari, R., Samuel, A. and Samson, B. A., (2020). Investigation of Groundwater Quality from Selected Wells in Paiko, Northcentral Nigeria, *Journal of Geography and Geology*, 12(1), 1 – 7. doi:10.5539/jgg.v12n1p1,  
URL: <http://dx.doi.org/10.5539/jgg.v12n1p1>
16. **Amadi, A. N.**, Umeugochukwu, O. P., Unuevho, C. I., Waziri, N. M., Onoduku, U. S. and Ameh, I. M., (2020). Assessment of the Suitability of Groundwater systems for Irrigation Purposes in Owerri and Environs, Southeastern Nigeria. *Ilorin Journal of Science*, 7(1), 83 – 95.
17. Ozoji, T. M., Obaje, N. G., Lar, U. A., **Amadi, A. N.**, Umar, M. U., Yenne, E. and Nura, Y. A., (2020). Characterization of Coal Formations in the Middle Benue Trough and Anambra Basin, Nigeria Using Rock-Eval Pyrolysis. *Journal of Mining and Geology*, 56(1), 23 – 30.

18. Okolo, S. I. and **Amadi, A. N.**, (2020). Gully Erosion Study in Bida Town, North-Central Nigeria using Integrated Geoscience Techniques. *Water Resources: Journal of the Nigerian Association of Hydrogeologist*, 30(1), 24 – 39.
19. Ameh, I. M., **Amadi, A. N.**, Unuevho, C. I. and Ejepu, J. S., (2020). Hydrogeophysical Investigation of Groundwater Systems in Otukpo, Benue State, North-Central Nigeria. *Journal of Chemical Society of Nigeria*, 45(5), 862 – 869.
20. **Amadi, A. N.**, Ozoji, T. M., Aweda, A. K., Chinwuko, A. I., Shaibu, I., Ovwasa, M. O. and Ibrahim, H. A., (2020). Updates on Aquifer Attributes of the Benin Formation within Eastern Niger Delta, Nigeria using Pumping Test and Hydraulic Parameters. *Minna Journal of Geosciences*, 4(1), 37 – 51.
21. **Amadi A. N.**, Yisa, J., Abubakar, A. S., Dan-Hassan, M. A., Oguntade, A. S., Hussaini, S. U. and Musa A., (2020). Hydrofacies Attributes and Quality Status of Groundwater Systems in Eastern Niger Delta, Nigeria. *Minna Journal of Geosciences*, 4(2), 40 – 52.
22. Ameh, I. M., **Amadi, A. N.**, Unuevho, C. I. and Ejepu, J. S., (2019). Hydraulic Head Analysis and Groundwater Flow System in parts of Otukpo, North-central Nigeria. *Minna Journal of Geoscience*, 3(1 & 2), 79 – 85.
23. **Amadi, A. N.**, Aminu Tukur, Dan-Hassan, M. A., Okunlola, I. A., Shauibu I., Egharevba, J. K. and Okobi, C. M., (2019). Groundwater Quality Assessment for Irrigation Purposes: A case study of Minna, Niger State, North-central Nigeria. *Journal of Chemical Society of Nigeria*, 44(4), 525 – 532.
24. Ozoji, T. M., Obaje, N. G., **Amadi, A. N.**, Goki, N. G., Yenne, E. and Lar, U. A., (2019). Geotechnical Evaluation of Quarry Dust Suitability as Constructional Material in Abuja and Environs. *Journal of Mining and Geology*, 55(2), 199 – 206.
25. **Amadi, A. N.**, AminuTukur, Maspalma, S. S., Okunlola, I. A., Unuevho, C. I. and Ameh, I. M., (2019). Comparative Geological Study and Physico-chemical Parameters of Groundwater in Hong and Zango Settlements in Northern Nigeria. *Journal of Chemical Society of Nigeria*, 44(2), 289 – 297.
26. Okobi, C. M., Ogunbajo, M. I., **Amadi, A. N.**, Unuevho, C. I., Ako, T. A., Ayeni, J. K. and Alaku, I. O., (2019). Geochemistry and Petrogenesis of Granitic Rocks in Bishini Sheet 165 SW, North-Central Nigeria. *Journal of Mining and Geology*, 55(1), 1 – 15.
27. Igbomor, B. A. and **Amadi, A. N.**, (2019). Investigation of Groundwater Quality in parts of Onitsha, Southeastern Nigeria. *The Pacific Journal of Science and Technology*, 20(2), 266 – 275. A publication of Akamai University, USA.

28. Ameh, I. M. and **Amadi, A. N.**, (2019). Geoelectrical Prospecting for Shallow Aquifers in Otukpo, North-central Nigeria. *The Pacific Journal of Science and Technology*, 20(2), 352 – 359. A publication of Akamai University, USA.  
[http://www.akamaiuniversity.us/PJST20\\_2\\_352.pdf](http://www.akamaiuniversity.us/PJST20_2_352.pdf)
29. Obaje, N. O., **Amadi, A. N.**, Aweda, A. K., Umar, U. M. and Shuaibu, I. (2018). Processing Nigerian Coal Deposits for Energy Source. *Environmental Earth Sciences*, 77(5), 176 – 186. (Published by Springer)  
<https://www.springer.com/journal>
30. Unuevho, C.I., Julius, S.O., Alabi, A.A., **Amadi, A. N.**, Adegbe. M. and Saidu, S. (2018). Geotechnical Characterization of Geological Formation at Slump sites within outskirts of Zungeru, North-Central Nigeria. *International Journal of Geology and Earth Sciences*, 4(1), 1 – 13.  
[http://www.internationaljournalcorner.com/index.php/ijird\\_ojs/pages/view/eb](http://www.internationaljournalcorner.com/index.php/ijird_ojs/pages/view/eb)
31. **Amadi, A. N.**, Ebieme, E. E., Musa, A. Olasehinde, P. I., Unuevho, C. I., and Ameh, I. M., (2018). Stream Sediment as Pollution Indicator within Shikira Gold Mining Site, Niger State, North-central Nigeria. *Journal of Mining and Geology*, 54(2), 119 – 131.
32. Sabo, S., Okunlola I. A., **Amadi, A. N.**, Olasehinde, P. I., Okoye, N. O. and Abubakar, A. E., (2018). Assessing Heavy Metal Contamination in Soils around Ashaka Cement Factory, Gombe State, Northeastern Nigeria using Ecological Pollution Indices. *Lapai Journal of Science and Technology*, 4(1), 33 – 48.
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## 16.2 CONFERENCE PROCEEDINGS

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157. Unuevho, C.I., Onuoha, K.M., **Amadi, A.N.**, Ejepu, S.O., & Udensi, E.E. (2021). Application of Geological and Geophysical Data to Characterise E8000 Reservoir in Afenmai Field of Niger Delta Basin, Nigeria. In A. Abdulkadir (Ed.), *3<sup>rd</sup> School of Physical Sciences (SPS) Biennial International Conference Book of Proceedings* (pp. 264-273). SPS, Federal University of Technology, Minna, Nigeria.

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159. Unuevho, C. I., **Amadi, A. N.**, Abdulameen. L. O., Adegoke, E. O., Ejepu. J. S., and Udensi, E.E., (2019). Lithologic Mapping and 2D-Geoelectrical Tomographic Delineation of Graphite Deposit within Kagara, part of Tegna Sheet 142, North-Central Nigeria. *Proceedings of the 4th International Conference on Civil, Environmental, Geology and Mining Engineering* held at Double Tree by Hilton Hotel in Trabzon, Turkey between 20<sup>th</sup> – 22nd April, 2019, 1189 – 1203. <http://www.icocem.org>
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166. Dan-Hassan, M. A., Olasehinde, P. I., **Amadi, A. N.**, Unuevho, C. I. and Okoye, N. O. (2016). Evaluation of Groundwater Chemistry in parts of Abuja, Nigeria using Factor Analysis and Water Quality Index. *Proceedings of the International Conference on Education, Development and Innovation (INCEDI)*, held at Tang Palace Hotel, Accra, Ghana, between 29<sup>th</sup> – 31<sup>st</sup> August, 2016, 974 – 990.
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168. **Amadi, A. N.**, Nwankwoala, H. O., Ameh, I. M., Shaibu, I. and Okoye, N. O., (2016). The role of Groundwater in Poverty Alleviation and Sustainable Development in Nigeria: Challenges and Opportunities. *Proceedings of the 4<sup>th</sup> International Conference of School of Science and Technology Education*, held at CPES Complex, Bosso Campus, FUT-Minna, between 4<sup>th</sup> – 7<sup>th</sup> October, 2016, 127 – 139.
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172. **Amadi, A. N.**, Olasehinde, P. I., Okosun, E. A. and Yisa, J. (2013). Characterization of Hydrochemical facies and water quality of the coastal plain sand aquifers of parts of

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### 16.3 ACADEMIC TEXT-BOOKS/CHAPTERS IN BOOKS:

173. Okoye, N. O. and **Amadi, A. N.**, (2011). *Essentials of Structural Geology*. Vital Prints Production, Nigeria, 103p.
174. Okoye, N. O., **Amadi, A. N.**, Nwankwoala, H. O. and Dan-Hassan, M. A., (2017). *Fundamentals of Plate Tectonics*, Unilorin Press, 71p.

### 16.4 TECHNICAL PAPERS/REPORTS

175. Obaje, N. G., Hamza, H., Aweda, A. K., Umar, U. M., Blumenberg, M., Goki, N., **Amadi, A. N.**, Idris-Nda, A. and Ozoji, T., (2016). Interim Report on the Assessment of some Nigerian Coal Deposit as raw materials for the production of New Brand of Smokeless Fuel (Interim Report). Ibrahim Badamasi Babangida University Lapai (IBBUL) and Tertiary Education Trust Fund (TetFund) National Grant Project awarded in 2016.

### 16.5 CONFERENCE PAPERS

176. Maspalma, S. S., **Amadi, A. N.**, Waziri, N. M. and Olarinoye, I. O., (2023). Assessment of Natural Radioactivity and Radiological Hazards from Soils in Mayo-Lope area, Northeastern Nigeria. *Annual Conference of the Ghana Institute of Geoscientists (GHIGCON-2023)*, held at University of Ghana, Legon-Accra, Ghana, between 24<sup>th</sup> – 27<sup>th</sup> October, 2023, Pp 68.
177. Umoru, T. A., **Amadi, A. N.**, Otache, M. Y. and Unuevho, I. C., (2023). Evaluation of Rainfall Variability and its Impact on the Water Resources in Orle River Basin, Auchu, Nigeria. *Annual Conference of the Ghana Institute of Geoscientists (GHIGCON-2023)*, held at University of Ghana, Legon-Accra, Ghana, between 24<sup>th</sup> – 27<sup>th</sup> October, 2023, Pp 79.
178. **Amadi, A. N.**, Tukur, A., Maspalma, S. S., Okunlola, I. A., Unuevho, C. I., Olasehinde, P. I., Ameh, I. M. and Shauibu, I., (2019). Comparative Analysis of Fluoride Occurrence in Groundwater Systems of Hong and Zango area, Northern Nigeria. *Annual International Conference of the Ghana Institution of Geoscientists* held at University of Mines and Technology, Tarkwa, Ghana, between 13<sup>th</sup> – 16<sup>th</sup> August, 2019, Pp 53.

179. Igbomor, B. A. and **Amadi, A. N.**, (2019). Evaluation of Groundwater Quality in Onitsha, Southeastern Nigeria using Water Quality Index (WQI) and Metal Pollution Index (MPI). *Annual International Conference of the Ghana Institution of Geoscientists* held at University of Mines and Technology, Tarkwa, Ghana, between 13<sup>th</sup> – 16<sup>th</sup> August, 2019, Pp 55.
180. Ameh, I. M., Idris-Nda, A., **Amadi, A. N.**, Ansel, Y. A., Waziri, S. H. and Abubakar, A. E., (2019). Foundation Studies for Bridge Design and Construction at the down-stream of Shiroro Hydropower plant using Geoelectric Method. *2<sup>nd</sup> International Association of Engineering Geologist (IAEG) Africa Regional Congress & 4<sup>th</sup> Annual International Conference of Nigerian Association for Engineering Geology and the Environment (NAEGE)*, held at Hotel De-Bently, Abuja, Nigeria between 27<sup>th</sup> – 30<sup>th</sup> October, 2019, pp 23.
181. Obaje, N. O., Hamza, H., Goki, N. G., **Amadi, A. N.**, Aweda, A. K., Umar, U. M. and Ozoji, T. M., (2016). Coal Deposits in Nigeria: Recent Organic Geochemical Data Interpreted in line of their Energy Conversion Efficiencies. *26<sup>th</sup> Colloquium of African Geology, held at International Conference Centre, University of Ibadan, Nigeria* between 23<sup>rd</sup> – 27<sup>th</sup> November, 2016, pp 112.
182. Ejepu, J. S., Idris-Nda, A., **Amadi, A. N.**, Alhassan, D. U. and Abdullahi, D. S., (2016). Evaluation of Groundwater Potential and Aquifer Protective Capacity of Overburden units in Paiko, North-central Nigeria using Integrated Hydrogeophysical Survey. *26<sup>th</sup> Colloquium of African Geology, held at International Conference Centre, University of Ibadan, Nigeria* between 23<sup>rd</sup> – 27<sup>th</sup> November, 2016, pp 133.

## 17.0 Referee

1. Prof Emmanuel Emaka Udensi,  
Department of Geophysics,  
Federal University of Technology, Minna  
Phone Number: 08035960957  
Email Address: Emmanuel.udensi@futminna.edu.ng
2. Engr. Prof. Abdulfatai Jimoh,  
Director, Linkages and Collaboration &  
Department of Chemical Engineering,  
University of Abuja,  
Phone Number: 08139682944 or 08070875864  
Email Address: abdultatai.jimoh@uniabuja.edu.ng
3. Dr Sam Amadi,

Former Chairman, Nigerian Electricity Regulatory Commission (NERC),  
Executive Director, Centre for Public Policy & Research, Abuja  
Phone Number: 08033299879  
Email: samadi29@yahoo.com

**18.0 EXTRA-CURRICULAR ACTIVITIES:**

Watching and Analyzing Football Matches

Geological Mapping and Lithology Interpretation

Taking Photography and Listening to Music



Prof. Akobundu N. Amadi

4<sup>th</sup> April, 2024