

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: 4th 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 @ 30th May, 2024 = 2155
h-index @ 30th May, 2024 = 25
i10-index @ 30th May, 2024 = 56

ResearchGate: Research Interest Score @ 30th May, 2024 = 1,875
Citations @ 30th May, 2024 = 1,895
h-index @ 30th 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 nd 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 |

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|--|---|----------|---|-------------|
| 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 |
| Sabbatical at IBB University, Lapai | | | | |
| 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 |
| Intra-Africa Academic Mobility Scheme with the African Water Resources Mobility Network (AWaRMN), European Union Sponsored Program at Makerere Unversity, Kampala, Uganda | | | | |
| 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 |
| Sabbatical at IBB University, Lapai | | | | |
| PGD in Water Resources and Environmental Management | | | | |

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|----|--|---------|---|-----------|
| 10 | Hydrology and Water Resources | GEO 606 | 2 | 2015/2016 |
| | MSc in Water Resources and Environmental Management | | | |
| 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 |

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|----|----------------------------------|--------------------------|---|-----------|---------------------------------------|
| 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 Kwank-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- |

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

PhD

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

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|---|-------------------------------|---|--|-----------|-----------------------------------|
| | 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 |

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| | | | 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. ALIM, Jamin Alao (MTech/SPS/2016/6255) i. HARUNA, Ismaila (MTech/SPS/2016/6294) | 2018/2019 |

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| 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 |
| Sabbatical at IBB University, Lapai | | |
| 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 |
| Sabbatical at IBB University, Lapai | | |
| 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 |

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| 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: ‘Use of Geological Materials Enhanced with Plastic Waste Additives in the Production of High Performance Pavement Blocks for Road Construction’ at the 9 th 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 th – 19 th September, 2024 at Casoni International Hotels & Suites LTD, Port-Harcourt. | 2024 |
| 2 | Lead Paper Presenter on the Topic ‘Integration of Smart Technologies (ST) and Artificial Intelligence in Groundwater Management’ at 35 th 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 rd to 8 th 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 |

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| 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 th – 16 th August, 2019. | 2019 |
| 18 | Discussant, Panel Discussion on the Topic: Job Market for Geoscientist: The role of Ghana Institution of Geoscientists, 2 nd 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 st 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 th 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 th International Conference and Annual General Meeting of Nigeria Association Hydrological Sciences, held at FUT-Minna | 2016 |
| 26 | Member, Conference Organizing Committee, 7 th 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 |

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| 33 | Member, Local Organizing Committee of the of the 25 th Annual International Conference of Nigerian Association of Hydrogeologist | 2013 |
| 34 | Member, Local organizing committee of the 47 th 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 | Project Coordinator , 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 | Lead Consultant , Geology/Hydrogeology/Hydrology Sector, Agro-Climatic Resilience in Semi-Arid Landscape (ACReSAL) Project | 2024 |
| 3 | Lead Hydrogeologist/Hydrologist , for the Aerial and Geotechnical Survey for Niger State Irrigation Project by Engineering and Environmental Management Services Limited (EEMS Limited), | 2024 |
| 4 | Lead Geoscientist 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 | Lead Geoscientist 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 | Consultant Geologist/Hydrogeologist , 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 |

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|---|---|-------------------------|------|
| | 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 |

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|---|---|------|
| 4 | World Championship Award in Geosciences (Groundwater Quality) https://sites.google.com/site/worldchampionshipwinners/geoscience-world-championship | 2019 |
| 5 | Fellow, Directorate of Geosciences, International Agency for Standards and Ratings https://sites.google.com/site/uabnuniversalagencybooknumber/international-agency-for-standards-and-ratings | 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 th 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 |

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|--|--|--|--|--|
| | I am the Program Coordinator in Hydrogeology | | | |
|--|--|--|--|--|

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 |

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|----|---|---|
| 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 Sheet 163, 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 nd International Association of Engineering Geology Africa Regional Congress | Hotel De Bently, Utako District, Abuja, Nigeria | 2019 |
| 5 | 2 st Biannual Conference of School of Physical Sciences, Federal University of Technology, Minna | CPES Complex, Bosso Campus, Minna | 2019 |
| 6 | 1 st Biannual Conference of School of Physical Sciences, Federal University of Technology, Minna | CPES Complex, Bosso Campus, Minna | 2017 |

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|----|---|--|------|
| 7 | International Conference on Education, Development and Innovation | Tang Palace Hotel, Accra, Ghana | 2016 |
| 8 | 26 th Colloquium of African Geologist and 16 th 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 th International Conference of Nigeria Association of Hydrological Sciences | Chemical Engineering Complex, FUT-Minna | 2016 |
| 11 | 4 th International Conference of School of Science and Technology Education, FUT-Minna | CPES Complex, Bosso Campus, Minna | 2016 |
| 12 | 6 th International Conference of Nigeria Association of Hydrological Sciences | School of Postgraduate Studies, ABU Zaria | 2015 |
| 13 | 1 st International Engineering Conference of School of Engineering and Engineering Technology, FUT-Minna | Chemical Engineering Complex, FUT Minna | 2015 |
| 14 | 13 th 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 th 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 th 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 th Annual National Association of Engineering Geology and Environment International Conference | Hotel De Bentley, Utako District, Abuja, Nigeria | 2019 |
| 6 | 55 th Annual International Conference and Exhibition of Nigerian Mining and Geosciences Society | Golden Royale Hotel, Enugu, Nigeria | 2019 |

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|----|--|--|------|
| 7 | 31 st Annual National Conference and Workshop of Nigerian Association of Hydrogeologist | Vichi Gate Hotel, Ihama Road, Benin City, Nigeria | 2019 |
| 8 | 54 th Annual International Conference and Exhibition of Nigerian Mining and Geosciences Society | Bayero University New Campus, Kano, Nigeria | 2018 |
| 9 | 30 th 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 th ChemClass Conference, Chemical Society of Nigeria (Zaria Chapter) | School of Postgraduate Studies, ABU Zaria, Nigeria | 2016 |
| 15 | 52 nd 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 th 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 th Annual International Conference of Nigerian Association of Hydrogeologists | Merit House, Maitama, Abuja, Nigeria | 2014 |
| 20 | 25 th 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 th 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 (COMEG-2008-921) |
| 2 | Member, International Association of Hydrogeologists (IAH-2008-123198) |
| 3 | Member, American Association of Petroleum Geologist (AAPG-2003-804030) |
| 4 | Member, Ghana Institution of Geoscientists (GhIG-2019-738) |
| 4 | Member, Society of Exploration Geophysicists (SEG-A-2008-176869) |
| 5 | Member, Society of Petroleum Engineers (SPE-2003-3159504) |
| 6 | Member, Nigerian Mining and Geosciences Society (NMGS-C-2007-3376) |
| 7 | Member, Nigerian Association of Hydrogeologists (NAH-CH-2007-0489) |
| 8 | Member, Nigerian Association of Petroleum Explorationists (NAPE-ST-2003-315) |
| 9 | Member, Nigerian Society of Mining Engineers (NSME-A-2014-0118) |
| 10 | Member, International Medical Geology Association (IMGA-P-2019-034) |
| 11 | Member, Nigerian Association for Engineering Geology and the Environment, an Affiliate of International Association of Engineering Geologist (IAEG-NAEGE-C-2019-171) |

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 (BTech Project) | 2004 |
| 2 | Aquifer Characterization and Groundwater Vulnerability around Owerri, Southeastern Nigeria (MTech Thesis) | 2007 |
| 3 | Environmental Hydrogeochemistry of the Benin Formation of the Port-Harcourt, Aba and Owerri axis in the Niger Delta, Nigeria (PhD Dissertation) | 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.org/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. *Warer 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
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
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
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
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 Hydrogeologists*, 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
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
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.
33. Nwakife, C. N., Ndamitso, M. M., Ajai, A. I., **Amadi, A. N.**, Unique, N. K. amd Akoma, A. O., (2018). Determination of the Physico-Chemical Properties and Selected Heavy Metal Concentration in Soil around Akolo Creek Oil Well Head in Bayelsa State, Nigeria. *Lapai Journal of Science and Technology*, 4(1), 191 – 206.
34. Obaje, N. G., Aweda, A. K., Hamza, H., Goki, N. G., **Amadi, A. N.**, Umar, U. M., Shuaibu, I. and Moumouni, A., (2018). Application of Rock Eval and Coal Petrographical Data in the Evaluation of some Nigerian Coal Deposits as Raw materials for the Production of Smokeless Fuel. *Development Journal of Science and Technology Research*, 7(1), 77 – 93.
35. Okanlawon, M. O., Idris-Nda, A., **Amadi, A. N.**, Waziri, N. M., Ako, T. A. and Onoduku, U. S., (2017). The Geology and Petrographic Characterization of Rocks in part of Tegna Sheet 142 SE and Alawa Sheet 143 SW, Northcentral Nigeria. *Minna Journal of Geoscience*, 1(2), 64 – 75.

36. **Amadi, A. N.**, Olasehinde, P. I., Obaje, N. O., Unuevho, C. I., Yunusa, M. B., Keke, U. N. and Ameh, I. M., (2017). Investigating the Quality of Groundwater from Hand-dug Wells in Lapai, Niger State, North-central Nigeria using Physico-chemical and Bacteriological Parameters. *Minna Journal of Geoscience*, 1(1), 77 – 92.
37. Tswako, M., Unuevho, C. I., Okeugo, C. G., **Amadi, A. N.**, Ejepu, J. S. and Onuoha, K. M., (2017). Geoelectrical Prospecting for regolith Aquifer in Kundu, Zungeru Sheet 163, Nigeria. *Minna Journal of Geoscience*, 1(1), 149 – 164.
38. Nwankwoala, H. O., Angaya, Y. B., **Amadi, A. N.** and Ameh, I. M., (2017). Contamination Risk Assessment of Physico-chemical and Heavy Metal Distribution in Water and Sediments of the Choba Section of the New Calabar River, Nigeria. *Nigeria Journal of Engineering and Applied Sciences*, 4(1), 15 – 24.
39. **Amadi, A. N.**, Ebieme, E. E., Musa, A., Olasehinde, P. I., Ameh, I. M. and Shuaibu, A. M., (2017). Utility of Pollution Indices in Assessment of Soil Quality around Madaga Gold Mining Site, Niger State, North-central Nigeria. *Ife Journal of Science*, 19(2), 417 – 430.
40. Ayeni, J. K., Ogunbajo, I. M., **Amadi, A. N.**, Okobi, C. M. and Waziri, S. H., (2017). Geotechnical and Petrographic Assessment of Supare Rocks as Dimension Stone, Ondo State, Southwestern Nigeria. *Nigerian Mining Journal*, 15(1), 19 – 27.
41. Ayeni, J. K., Ogunbajo, I. M., **Amadi, A. N.** and Okobi, C. M., (2017). Evaluation of Suitability of Rocks using Volumetric Joint Count for Dimension Stone Quarry in Supare, Ondo State, Southwestern Nigeria. *Nigerian Mining Journal*, 15(1), 39 – 45.
42. **Amadi, A. N.**, Egharevba, J. K., Ameh, I. M., Abdulahi, S., Shaibu, I. and Ancho, M. I., (2017). Hydrogeochemical Evaluation of Surface and Groundwater Quality around Galadima Koko Mining Sites, Niger State, North-central Nigeria. *Nigerian Journal of Pure and Applied Sciences*, 9(1), 155 – 169.
43. Angwa, E. M., **Amadi, A. N.**, Olasehinde, P. I., Unuevho, C. I., Ameh, I. M. and Abdulahi, S., (2017). Hydrogeophysical Evaluation of Groundwater Potential in Federal Housing Estate Lugbe, Abuja, Nigeria using Electrical Resistivity Method. *Nigerian Journal of Pure and Applied Sciences*, 9(1), 170 – 180.
44. Muhammed, O. N., **Amadi, A. N.**, Unuevho, C. I., Abdulahi, S., Ameh, I. M. and Abubakar, A. E., (2017). Assessment of Surface and Groundwater Quality in Gussoro Gold Mining Site, Niger State, North-central Nigeria. *Nigerian Journal of Pure and Applied Sciences*, 9(2), 138 – 147.
45. Unuevho, C. I., Onuoha, K. M., **Amadi, A. N.**, Alabi, A. A., Aderogbin, J. A., Udensi, E. E. and Oshin, O., (2017). Geoelectrical Prospecting for Fractured Basement Aquifer in

- Northern portion of Futminna's Bosso Campus, Minna, North-central Nigeria. *KADA Journal of Physics*, 1(2), 35 – 44.
46. Unuevho, C. I., Tswako, M., Onuoha, K. M., **Amadi, A. N.**, Udensi, E. E. and Oshin, O., (2017). Geoelectrical Prospecting for Water-filled Fractured Basement within Kundu, North-Central Nigeria. *KADA Journal of Physics*, 1(2), 59 – 72.
 47. Okanlawon, M. O., Olasehinde, P. I., Abdullahi, I. N., **Amadi, A. N.**, Waziri, N. M. and Unuevho, C. I., (2017). Water Quality Determination around Gold and Manganese Mining Area Using Metal Pollution Index and Water Quality Index in South-western part of Tegna Sheet 142 North Central Nigeria. *International Journal for Innovative Research and Development*, 6(11), 40 – 49, doi: 10.24940/ijird/2017/v6/i11/NOV17029.
www.ijird.com
 48. Akande, W. G., Idris-Nda, A., **Amadi, A. N.**, Asema, A. I., Alabi, A. A. and Yahaya, T., (2016). Evaluation of groundwater potentials of Chanchaga area, Minna, North-central Nigeria. *American Journal of Innovative Research and Applied Sciences*, 2(1), 1– 9.
www.american-jiras.com
 49. Okunlola, I. A., **Amadi, A. N.**, Olashinde, P. I., Maspalma, S. S. and Okoye, N. O., (2016). Quality Assessment of Groundwater from Shallow Aquifers in Hong Area, Adamawa State, Northeastern Nigeria. *Ife Journal of Science*, 18(1), 267 – 283.
 50. **Amadi, A. N.**, Olasehinde, P. I., Nwadioha I. J., Okunlola, I. A., Shaibu I. and Nwakife, C. N. (2016). Comparative Assessment of Groundwater Suitability for Irrigation and Drinking Purposes in Agbara and Ota area of Southwestern Nigeria. *International Journal of Science for Global Sustainability*, 2(3), 1 – 12.
 51. **Amadi, A. N.**, Olasehinde, P. I., Yisa, J., Shaibu I. and Okoye, N. O. (2016). Environmental Geochemistry and Heavy Metal Assessment in Soils, Surface and Groundwater from Eastern Niger-Delta, Nigeria using Multivariate Pollution Indices. *International Journal of Science for Global Sustainability*, 2(3), 64 – 78.
 52. Dan-Hassan M. A., **Amadi A. N.**, Olasehinde, P. I., Obaje, N. G. and Okoye, N. O. (2016). Quality Assessment of Groundwater in Abuja, North-central Nigeria for Domestic and Irrigation Purposes. *Nigerian Journal of Hydrological Sciences*, 4(1), 147 – 160.
 53. Unuevho, C. I., Acho, M., **Amadi, A. N.**, Onuoha, K. M. and Ogunbanjo, M. I., (2016). Application of Geosciences Techniques for the Assessment of Dumpsite Leachates and Groundwater Pollution in Regolith Aquifers. *Nigerian Journal of Hydrological Sciences*, 4(1), 161 – 180.

54. **Amadi, A. N.**, Olasehinde, P. I., Unuevho, C. I., Obaje, N. G., Goki, N. G. and Dan-Hassan, M. A. (2016). Water Quality Studies in parts of Eastern Niger Delta, Nigeria using Heavy Metal Pollution Index. *Nigerian Mining Journal*, 14(1), 15 – 26.
55. Unuevho, C., Onuoha, K. M., Ogunbajo, M. I. and **Amadi, A. N.**, (2016). Hydrogeological and Geoelectrical Prospecting for Groundwater within parts of Northeastern Bosso, North-central Nigeria. *Water Resources: Journal of the Nigerian Association of Hydrogeologists*, 26(1&2), 100 – 121.
56. Unuevho, C., Ancho, M., Onuoha, K. M., **Amadi, A. N.**, Ogunbajo, M. I. and Alkali, Y. B., (2016). Contamination Investigation using Geoelectrical Resistivity and Hydrogeological data: A case study of Regolith Groundwater around Agwan-NEPA dumpsite, Keffi, North-central Nigeria. *Water Resources: Journal of the Nigerian Association of Hydrogeologists*, 26(1&2), 122 – 141.
57. **Amadi, A. N.**, Obaje, N. G., Goki, N. G., Abubakar K. U., Shaibu, I. and Nwakife, C. N. (2016). Studies on Water Quality in Suleja, Niger State for Domestic and Irrigational Purposes. *Nasara Scientifique: Journal of Natural and Applied Sciences*, 5(1), 16 – 29.
58. Maspalma, S. S., Okunlola, I. A., **Amadi, A. N.**, Olasehinde, P. I. and Okoye, N. O. (2016). Geospatial and Temporal Distribution of Fluoride in Groundwater and Health Impacts in Hong Area, Adamawa State, North-Eastern Nigeria. *Nasara Scientifique: Journal of Natural and Applied Sciences*, 5(1), 82 – 93.
59. Unuevho, C. I., **Amadi, A. N.**, Saidu, S., Udensi, E. E., Onuoha, K. M. and Ogunbajo, M. I., (2016). Geo-electrical prospecting for Ore Minerals in Kundu, western part of Zungeru Sheet 163NW, Nigeria. *Nigerian Mining Journal*, 14(2) 73 – 82.
60. **Amadi, A.N.**, Musa, A., Ebieme, E.E., Unuevho, C.I., Ameh, I.M. and Keke, U.N., (2016). Investigating the Impacts of Artisanal and Small Scale Mining on Surface and Groundwater Quality in Madaka area of Niger State using Water Pollution Indices. *Nigerian Mining Journal*, 14(2), 101 – 111.
61. Nwankwoala, H. O., **Amadi, A. N.** and Tukor, A., (2016). Fluoride Contamination of Groundwater and Health Implications in Zango, Katsina State, Nigeria. *Scientia Africana: An International Journal of Pure and Applied Sciences*, 15(2), 160 – 174.
www.scientia-africana.uniportjournal.info
62. Abifarin, S. J., **Amadi, A. N.**, Olasehinde, P. I., Ameh, I. M. and Ayeni, J. K., (2016). Geological and Structural Control of Groundwater Occurrence in parts of Abuja, North-central Nigeria. *Nigerian Journal of Pure and Applied Sciences*, 8, 157 – 165.
63. Aliyu, U. J., **Amadi, A. N.**, Olasehinde, P. I., Ameh, I. M. and Shuaibu, A. M., (2016). Integrated Geological, Hydrogeological and Geophysical Assessment of Groundwater

Potential in Tudun-Falani area of Minna, North-central Nigeria. *Nigerian Journal of Pure and Applied Sciences*, 8, 166 – 178.

64. Okunlola, I. A., **Amadi, A. N.**, Olasehinde, P. I., Sani, Sabo and Okoye, N. O., (2016). Impacts of limestone mining and processing on water quality in Ashaka Area, Northeastern Nigeria. *Development Journal of Science and Technology Research*, 5(1), 47 – 62.
65. Olasehinde, P. I., **Amadi, A. N.**, Enwedo, E. O., Dan-Hassan, M. A. and Okunlola, I. A., (2016). Assessing the Groundwater Potential in Wuye District, Federal Capital Territory, Abuja, Nigeria. *Development Journal of Science and Technology Research*, 5(1), 67 – 78.
66. **Amadi, A. N.**, Soliu, A. A., Agwuncha, S. C., Nwankwoala, H. O., Nwakife, C. N. and Shaibu I. (2016). Analytical Studies on Surface and Groundwater in Zungeru, Niger State, North-central Nigeria. *Development Journal of Science and Technology Research*. 5(2), 73 – 80.
67. **Amadi, A. N.**, Olasehinde, P. I., Agwuncha, S. C., Nwankwoala, H. O., Shaibu I. and Okoye, N. O. (2016). Investigating the Quality Status of Groundwater in parts of Eastern Niger Delta for Irrigation Purposes. *Development Journal of Science and Technology Research*. 5(2), 81 – 87.
68. Enwedo, E. O., Olasehinde, P. I., **Amadi, A. N.**, Okoye, N. O. and Okunlola, I. A. (2016). Geotechnical Assessment of Subsoil in Wuye District, Federal Capital Territory, Abuja, Nigeria for Construction Purposes. *Lapai Journal of Science and Technology*, 3(1), 31 – 45.
69. Abdullahi S., Idris-Nda, A., **Amadi, A. N.** and Kuti, I. A. (2016). Impacts of Artisanal Gold Mining on Surface and Groundwater Quality around Maiwayo and Gada-Eregi Mining Sites, North-Central Nigeria. *Lapai Journal of Science and Technology*, 3(1), 175 – 189.
70. Omanayin, Y. A., Ogunbajo, M. I., **Amadi, A. N.**, Abdulfatai, I. A. and Mamodu, A., (2016). Water Quality Investigation within the neighbourhood of Kataeregi artisanal gold mining sites, Northcentral Nigeria. *Journal of Information, Education, Science and Technology*, 3(2), 123 – 130.
71. **Amadi, A. N.**, Olasehinde, P. I., Ameh, I. M., Okunlola, I. A. and Dan-Hassan, M. A., (2015). Investigating the Groundwater Potential at the Boys Hostel, Bosso Campus, Federal University of Technology Minna, using electrical resistivity method. *Water Resources: Journal of the Nigerian Association of Hydrogeologists*, 25(1&2), 92 – 107.
72. **Amadi, A.N.**, Ameh, I. M., Okunlola, I. A., Dan-Hassan, M. A. and Aminu Turkur, (2015). Site Investigation for siting a Municipal Landfill system in Minna, North-central Nigeria

using Electrical Resistivity Method. *Water Resources, Journal of the Nigerian Association of Hydrogeologists*, 25(1&2), 108 – 120.

73. **Amadi, A. N.**, Olasehinde, P.I., Jimoh, M.O., Okoye, N.O. and Aminu, Tukur, (2015). Integrated Hydrogeological and Hydrogeophysical Exploration for Groundwater in parts of Gidan-Kwano and Gidan-Mangoro, North-central Nigeria. *Universal Journal of Geoscience*, 3(1): 34 – 38, 2015, doi: 10.13189/ujg.2015.030104.
<http://www.hrpub.org>
74. Nwankwoala, H.O., **Amadi, A. N.**, Warmate, T. and Jimoh, M. O., (2015). Geotechnical Properties of Sub-Soils in Escravos Estuary, Western Niger Delta, Nigeria. *American Journal of Civil Engineering and Architecture*, 3(1), 8 – 14, doi: 10.12691/ajcea-3-1-2.
<http://www.sciepub.com/journal/ajcea>
75. **Amadi, A. N.**, Akande, W. G., Okunlola, I. A., Jimoh, M.O., Francis, Deborah. G., (2015). Assessment of the Geotechnical Properties of Lateritic Soils in Minna, North Central Nigeria for Road design and Construction. *American Journal of Mining and Metallurgy*, 3(1), 15 – 20, doi: 10.12691/ajmm-3-1-3.
<http://www.sciepub.com/journal/ajmm>
76. Olasehinde P. I., **Amadi A. N.**, Dan-Hassan M. A., Jimoh M. O., (2015). Statistical Assessment of Groundwater Quality in Ogbomosho, Southwest Nigeria. *American Journal of Mining and Metallurgy*, 3(1), 21 – 28, doi:10.12691/ajmm-3-1-4.
<http://www.sciepub.com/journal/ajmm>
77. **Amadi A. N.**, Aminu Tukur, Okunlola I. A., Olasehinde, P. I. and Jimoh M.O., (2015). Lithologic Influence on the Hydrogeochemical Characteristics of Groundwater in Zango, North-west Nigeria. *Natural Resources and Conservation*, 3(1), 11–18. doi:10.13189/nrc.2015.030103.
<http://www.hrpub.org>
78. Olasehinde P. I., **Amadi A. N.**, Idris-Nda, A., Katu, M. J., Unuevho, C. I. and Jimoh M. O., (2015). Aquifers Characterization in Agaie, North-Central Nigeria using Electrical Resistivity Method and Borehole Lithologs, *American Journal of Environmental Protection*, 3(3), 60 – 66, doi:10.12691/env-3-3-1.
<http://www.sciepub.com/journal/env>
79. **Amadi A. N.**, Okunlola, I. A., Eze C. J., Jimoh, M. O., Unuevho, C. I. and Abubakar Fahad, (2015). Geotechnical Assessment of Clay Deposits in Minna, North-Central Nigeria for Use as liners in Sanitary Landfill Design and Construction. *American Journal of Environmental Protection*, 3(3), 67 – 75, doi: 10.12691/env-3-3-2.
<http://www.sciepub.com/journal/env>

80. Okunlola I. A., **Amadi A. N.**, Onyemereq U. B., Okoye N. O., (2015). Quality Assessment of Surface and Groundwater Sources in Lugbe, Abuja, North-Central Nigeria. *Journal of Environment and Earth Science*, 5(8), 129 – 139.
www.iiste.org
81. Okunlola I. A., **Amadi A. N.**, Dindey, A. O, Kolawole L. L., (2015). Geotechnical and Geochemical Properties of Lateritic Profile on Migmatite-Gneiss along Ogbomosho-Ilorin Highway, Southwestern Nigeria, *Civil and Environmental Research*, 7(4), 79 – 85.
www.iiste.org
82. **Amadi A. N.**, Okunlola I. A., Dan-Hassan M. A., Aminu Tukur and Ola Olubusayo, (2015). Evaluation of Groundwater Quality in Shallow Aquifers in Minna, North-Central Nigeria using Pollution Load Index. *Journal of Natural Sciences Research*, [5\(8\)](#), 45 – 56.
www.iiste.org
83. Nwankwoala, H. O., Nwaogu, C., Bolaji, T. A., Uzoegbu, M. U., Abrakasa, S. and **Amadi, A. N.**, (2015). Geochemistry and Quality Characterization of Effon Psammite Ridge Spring Water, Southwestern Nigeria. *Journal of Geology and Geophysics*, 4(6), 229 – 234.
<http://dx.doi.org/10.4172/jgg.1000229>
84. **Amadi, A. N.**, Okoye, N. O., Alabi, A. D., Aminu Tukur and Angwa, E. M., (2014). Quality Assessment of Soil and Groundwater near Kaduna Refinery and Petrochemical Company, Northwest Nigeria. *Journal of Scientific Research and Reports*, 3(6), 884 – 893.
www.sciencedomain.org
85. **Amadi A. N.**, Olasehinde, P. I. and Nwankwoala, H. O., (2014). Hydrogeochemistry and statistical analysis of Benin Formation in Eastern Niger Delta, Nigeria. *International Research Journal of Pure and Applied Chemistry*, 4(3), 327 – 338.
www.sciencedomain.org
86. Alao D. A., **Amadi A. N.**, Alabi A. D. and Aminu T., (2014). Studies on the Quality of Brine from Selected Sites in Lafia-Obi Local Government Area of Nasarawa State, North-Central Nigeria. *American Chemical Science Journal*, 4(4), 443 – 456.
www.sciencedomain.org
87. **Amadi, A. N.**, Olasehinde, P. I., Nwankwoala, H. O., Dan-Hassan, M. A. and Okoye, N. O., (2014). Aquifer Vulnerability Studies using DRASTICA Model. *International Journal of Engineering and Science Invention*, 3(3), 01 – 10.
www.ijesi.org
88. **Amadi, A. N.**, Olasehinde, P. I., Nwankwoala, H. O., Dan-Hassan, M. A. and Mamodu A., (2014). Controlling Factors of Groundwater Chemistry in the Benin Formation of Southern

- Nigeria. *International Journal of Engineering and Science Invention*, 3(3), 11 – 16.
www.ijesi.org
89. **Amadi, A. N.**, Olasehinde, P. I., Dan-Hassan, M. A, Okoye, N. O. and Ezeagu, G. G., (2014). Hydrochemical Facies Classification and Groundwater Quality Studies in Eastern Niger Delta, Nigeria. *International Journal of Engineering Research and Development*, 10(3), 01 – 09.
www.ijerd.com
 90. **Amadi, A. N.**, Ameh, I. M., Ezeagu, G. G., Angwa, E. M. and Omanayin, Y. A., (2014). Bacteriological and Physico-chemical Analysis of Well Water from Villages in Edati, Niger State, North-central Nigeria. *International Journal of Engineering Research and Development*, 10(3), 10 – 16.
www.ijerd.com
 91. Okunlola, I. A., Abdulfatai I. A., Kolawole L. L. and **Amadi A. N.**, (2014). Geological and Geotechnical Investigation of Gully Erosion along River Bosso, Minna, North Central Nigeria. *Journal of Geosciences and Geomatics*, 2(2), 50 – 56. doi:10.12691/jgg-2-2-2.
<http://www.sciepub.com/journal/jgg>
 92. Okunlola I. A., **Amadi A. N.**, Idris-Nda A., Agbasi K. and Kolawole L. L., (2014). Assessment of Water Quality of Gurara Water Transfer from Gurara Dam to Lower Usuma Dam for Abuja Water Supply, FCT, Nigeria. *American Journal of Water Resources*, 2(4), 74 – 80, doi:10.12691/ajwr-2-4-1.
<http://www.sciepub.com/journal/ajwr>
 93. Nwankwoala, H.O., **Amadi, A.N.**, Ushie, F.A. and Warmate, T., (2014). Determination of Subsurface Geotechnical Properties for Foundation Design and Construction in Akenfa Community, Bayelsa State, Nigeria. *American Journal of Civil Engineering and Architecture*, 2(4), 130 – 135, doi:10.12691/ajcea-2-4-2.
<http://www.sciepub.com/journal/ajcea>
 94. Nwankwoala, H.O., **Amadi, A.N.**, Oborie, E. and Ushie, F.A., (2014). Hydrochemical Factors and Correlation Analysis in Groundwater Quality in Yenagoa, Bayelsa State, Nigeria. *Applied Ecology and Environmental Sciences*, 2(4), 100 – 105, doi:10.12691/aees-2-4-3.
<http://www.sciepub.com/journal/aees>
 95. Aminu Tukur and **Amadi, A. N.**, (2014). Fluoride Contamination of Shallow Groundwater in Parts of Zango Local Government Area of Katsina State, Northwest Nigeria. *Journal of Geosciences and Geomatics*, 2(5), 178 – 185.
<http://pubs.sciepub.com/jgg/2/5/1>

96. Aminu Tukur and **Amadi A. N.**, (2014). Bacteriological Contamination of Groundwater from Zango Local Government Area, Katsina State, Northwestern Nigeria. *Journal of Geosciences and Geomatics*, 2(5), 186 – 195. doi:10.12691/jgg-2-5-2.
<http://www.sciepub.com/journal/jgg>
97. **Amadi, A. N.**, (2014). Impact of Gas-Flaring on the Quality of Rain Water, Groundwater and Surface Water in Parts of Eastern Niger Delta, Nigeria. *Journal of Geosciences and Geomatics*, 2(3), 114 – 119.
<http://pubs.sciepub.com/jgg/2/3/6>
98. Nwankwoala, H. O., Ngah, S. A., Ushie, F. A., and **Amadi, A. N.**, (2014). Statistical Characterization of Groundwater Quality in Port Harcourt, Southern Nigeria. *Sci-Afric Journal of Scientific Issues, Research and Essays*, 2(8), 338 – 341.
<http://www.sci-africa.org>
99. **Amadi, A. N.**, Nwankwoala H.O., Jimoh, M. O., Dan-Hassan, M. A. and Aminu Tukur, (2014). Modeling the Groundwater Quality in parts of Eastern Niger-Delta, Nigeria using Multivariate Statistical Techniques. *American Journal of Water Resources*, 2(5), 118 –125, doi:10.12691/ajwr-2-5-3.
<http://www.sciepub.com/journal/ajwr>
100. Nwankwoala, H. O. and **Amadi, A. N.**, (2013). Geotechnical Investigation of Sub-soil and Rock Characteristics in parts of Shiroro-Muya-Chanchaga Area of Niger State, Nigeria. *International Journal of Earth Sciences and Engineering*, 6(1), 8 – 17.
www.cafetinnova.org
101. **Amadi, A. N.**, Ameh, M. I., Idris-Nda, A., Okoye, N. O. and Ejiofor, C. I., (2013). Geological and Geophysical Investigation of Groundwater in parts of Paiko, Sheet 185, North-Central Nigeria. *International Journal of Engineering Research and Development*, 6(1), 1 – 8.
www.ijerd.com
102. **Amadi, A. N.**, Ejepu, J. S., Idris-Nda, A., Dan-Hassan, M. A. and Aminu Tukur, (2013). Analysis of Groundwater Quality from the coastal Aquifers around Agbara Industrial Estate, Lagos, Southwest Nigeria. *International Journal of Engineering Research and Development*, 6(1), 9 – 14.
www.ijerd.com
103. Alao D. A., **Amadi A. N.**, Adeoye, Yinka and Oladipo, A. V., (2013). Geo-Electric and 3D-Imaging of Groundwater Distribution along Flood Plain Deposits of River Niger at Jebba, North-Central Nigeria. *Environment and Natural Resources Research*, 3(2), 61 – 68. doi:10.5539/enrr.v3n2p61.
www.ccsenet.org/enrr

104. **Amadi A. N.**, Dan-Hassan M. A., Okoye N. O., Ejiofor I. C. and Aminu Tukur, (2013). Studies on Pollution Hazards of Shallow Hand-Dug Wells in Erena and Environs, North-Central Nigeria. *Environment and Natural Resources Research*, 3(2), 69 – 77. doi:10.5539/enrr.v3n2p69.
www.ccsenet.org/enrr
105. **Amadi A. N.** and Nwankwoala, H. O., (2013). Evaluation of Heavy Metal in Soils from Enyimba Dumpsite in Aba, Southeastern Nigeria using Contamination Factor and Geo-Accumulation Index. *Energy and Environment Research*, 3(1), 125 – 134. doi:10.5539/eer.v3n1p125.
www.ccsenet.org/eer
106. Momoh, O. L., Olasehinde, P. I., **Amadi, A. N.**, Asema, A. I. and Omanayin, Y. A., (2013). Geological Factors in Civil Engineering Construction: The Perspective of Engineering Geophysics using case histories from Basement Complex Terrain of Nigeria. *Journal of Science and Today's World*, 2(6), 732 – 746.
www.journalsci.com
107. Nwankwoala, H. O. and **Amadi, A. N.**, (2013). Hydro-geochemical Attributes and Quality Status of Groundwater in Port Harcourt, Eastern Niger Delta. *World Journal of Science and Technology Research*, 1(7), 151 – 167.
www.wjst.org
108. Omanayin, Y. A., Abdullahi, I. N., **Amadi, A. N.**, Momoh, O. L. and Abdulfatai, I. A., (2013). Integrated Geological and Geotechnical properties of subsoil for shallow foundation design for M. I. Wushishi Housing Estate, Minna, Niger State, and North-central Nigeria. *Centre for Human Settlement and Urban Development Journal*, 4(1), 40 – 52.
109. Momoh, O. L., **Amadi, A. N.**, Abdulfatai, I. A., Omananyi, Y. A., Onoduku, U. S. and Onah, M., (2012). Exploration of groundwater within the Mariam Babangida Girls Science Secondary School, Minna, Northcentral Nigeria using Schlumberger vertical electrical sounding techniques. *Journal of Science, Technology, Mathematics and Education*, 8(3), 21-32.
110. **Amadi, A. N.**, Nwankwoala, H. O., Eze, C. J., Alkali, Y. B. and Waziri, S. H., (2012). A review of waste management techniques in parts of Niger Delta, Nigeria. *Centre for Human Settlement and Urban Development Journal*, 3(1), 98 – 108
111. **Amadi, A. N.**, Olasehinde, P. I., Okosun, E. A., Okoye, N. O., Okunlola, I. A., Alkali, Y. B. and Dan-Hassan, M. A., (2012). A Comparative study on the Impact of Avu and Ihie

- Dumpsites on Soil Quality in Southeastern Nigeria. *American Journal of Chemistry*, 2(1), 17–23. doi:10.5923/j.chemistry.20120201.05.
<http://journal.sapub.org/chemistry>
112. **Amadi, A. N.**, Okoye, N. O., Olasehinde, P. I., Okunlola, I. A., Alkali, Y. B., Ako, T. A. and Chukwu, J. N., (2012). Radiometric Survey as a useful tool in Geological Mapping of western Nigeria. *Journal of Geography and Geology*, 4(1), 242 – 249, doi:10.5539/jgg.v4n1p242.
www.ccsenet.org/jgg
113. **Amadi, A. N.**, (2012). Quality Assessment of Aba River using Heavy Metal Pollution Index. *American Journal of Environmental Engineering*, 2(1), 45 – 49. doi:10.5923/j.ajee.20120201.07.
<http://journal.sapub.org/ajee>
114. **Amadi, A. N.**, Nwankwoala, H. O., Olasehinde, P. I., Okoye, N. O., Okunlola, I. A. and Alkali, Y. B., (2012). Investigation of Aquifer Quality in Bonny Island, Eastern Niger Delta, Nigeria using Geophysical and Geochemical Techniques. *Journal of Emerging Trends in Engineering and Applied Sciences*, 3(1), 180 – 184.
<http://www.jeteas.scholarlinkresearch.org>
115. Alao, D. A. and **Amadi, A. N.**, (2012). Geochemical and Grain-size analysis of Salt-bearing Sediments from Nasarawa area of North-Central Nigeria. *Journal of Emerging Trends in Engineering and Applied Sciences*, 3(2), 281 – 286.
<http://www.jeteas.scholarlinkresearch.org>
116. **Amadi, A. N.**, Yisa, J., Ogbonnaya, I. C., Dan-Hassan, M. A., Jacob, J. O. and Alkali, Y. B., (2012). Quality Evaluation of River Chanchaga using Metal Pollution Index and Principal Component Analysis. *Journal of Geography and Geology*, 4(2), 13 – 21. doi:10.5539/jgg.v4n2p13.
www.ccsenet.org/jgg
117. Dan-Hassan, M. A., Olasehinde, P. I., **Amadi, A. N.**, Yisa, J. and Jacob, J. O., (2012). Spatial and Temporal Distribution of Nitrate Pollution in Groundwater of Abuja, Nigeria. *International Journal of Chemistry*, 4(3), 104 – 112, doi:10.5539/ijc.v4n3p104.
www.ccsenet.org/ijc
118. **Amadi, A. N.**, Eze, C. J., Igwe, C. O., Okunlola, I. A. and Okoye, N. O., (2012). Architect's and Geologist's view on the Causes of Building Failures in Nigeria. *Modern Applied Science*, 6(6), 31 – 38. doi: 10.5539/mas.v6n6p31.
www.ccsenet.org/mas

119. **Amadi, A. N.**, Olasehinde, P. I., Yisa, J., Okosun, E. A., Nwankwoala, H. O. and Alkali, Y. B., (2012). Geostatistical Assessment of Groundwater Quality from Coastal Aquifers of Eastern Niger Delta, Nigeria. *Geosciences*, 2(3), 51 – 59, doi: 10.5923/j.geo.20120203.03.
<http://journal.sapub.org/geo>
120. **Amadi, A.N.**, Olasehinde, P. I., Okoye, N. O., Momoh, O. L., and Dan-Hassan, M. A., (2012). Hydrogeophysical Exploration for Groundwater Potential in Kataeregi, North-central Nigeria. *International Journal of Scientific Research*, 2(1), 9 – 17.
121. **Amadi, A. N.**, (2011). Assessing the Effects of Aladimma Dumpsite on Soil and Groundwater Using Water Quality Index and Factor Analysis. *Australian Journal of Basic and Applied Sciences*, 5(11), 763 – 770.
122. Goki, N. G., **Amadi, A. N.**, Olasehinde, P. I., Dada, S. S., Ikpokonte, E. A. and Adeleye, J. I. D., (2011). Appraising the Structural Geology of Kakuri Sheet 144: Implications for the Tectonic Evolution of the Basement Complex. *Journal of Engineering and Technology Research*, 3(2), 26 – 36.
<http://www.academicjournals.org/JETR>
123. Goki, N. G., **Amadi, A. N.**, Amuneni, O., Agbo, P., Okoye, N. O. and Unuevho, C. I., (2011). Bulk Strain Estimation on Gneisses in central Nigeria: A Preliminary Assessment. *Journal of Engineering and Technology Research*, 3(4), 133 – 138.
<http://www.academicjournals.org/JETR>
124. Jonah, S. A., Okunlola, I. A., **Amadi, A. N.**, Baba-Kutigi, A. N. and Umar, M. O., (2011). Investigation of nitrogen dioxide indices and the creation of a unique geographical information system (GIS) layer for nitrogen dioxide pollution in Minna, Niger State. *Environmental Technology and Science Journal*, 4(1), 74 – 82.
125. **Amadi, A. N.**, (2010). Assessment of Drinking Water Quality from Shallow Aquifers in host Communities of FEDPONEK and FUTO in Imo State, Southeastern Nigeria. *Science Focus: An International Journal of Biological and Physical Sciences*, 15(3), 300 – 311.
126. **Amadi, A. N.**, Yisa, J., Okoye, N. O. and Okunlola, I. A., (2010). Multivariate Statistical Evaluation of the Hydrochemical Facies in Aba, Southeastern Nigeria. *Science Focus: An International Journal of Biological and Physical Sciences*, 15(3), 326 – 337.
127. Okoye, N. O. and **Amadi, A. N.**, (2010). Lithologic Delineation using Radiometric Mapping: A case study of South-western Nigeria. *Journal of Environmental Sciences*, 14(2), 72 – 82.

128. **Amadi, A. N.**, Ameh, M. I. and Jisa, J., (2010). The Impact of Dumpsites on Groundwater Quality in Markurdi Metropolis, Benue State. *Natural and Applied Sciences Journal*, 11(1), 90 – 102.
www.naasjournal-ng.org
129. **Amadi, A. N.**, (2010). Effects of Urbanization on Groundwater Quality: A Case Study of Port Harcourt, Southern Nigeria. *Natural and Applied Sciences Journal*, 11(2), 143 – 152.
www.naasjournal-ng.org
130. Idris-Nda, A., **Amadi, A. N.** and Ismaila, M., (2010). Geotechnical Properties of a mixed Geological Terrain for Road Foundation: A case study of Lapai-Gulu road, Niger State, North-Central Nigeria. *Natural and Applied Sciences Journal*, 11(2), 174 – 180.
www.naasjournal-ng.org
131. **Amadi, A. N.**, (2010). Evaluation of the Groundwater Potential in Ngor-Okpala, Imo State, Nigeria. *Katsina Journal of Pure and Applied sciences*, 2(1&2), 164 – 170.
132. **Amadi, A. N.**, (2010). Industrialization and Groundwater Quality in Eleme, Rivers State. *Katsina Journal of Pure and Applied sciences*, 2(1&2), 171 – 177.
133. **Amadi, A. N.**, (2010). Hydrogeological and Geophysical study of Bosso area of Minna, North-Central Nigeria. *Bayero Journal of Physics and Mathematical Sciences*, 3(1), 66–73.
134. **Amadi, A. N.**, Olasehinde, P. I., Okunlola, I. A., Okoye, N. O. and Waziri, S., (2010). A Multidisciplinary Approach to Subsurface Characterization in Northwest of Minna, Niger State, Nigeria. *Bayero Journal of Physics and Mathematical Sciences*, 3(1), 74 – 83.
135. Egharevba, N. A., **Amadi, A. N.**, Olasehinde, P. I. and Okoye, N. O., (2010). Seasonal variation in the Physico-chemical and Bacteriological Characteristics of Perched Aquifer water from Zaria, North-Central Nigeria. *International Journal of Chemical Sciences*, 3(1), 100 – 107.
136. **Amadi, A. N.**, Olasehinde, P. I., Okosun, E. A. and Yisa, J., (2010). Assessment of the water quality index of Otamiri and Oramiriukwa Rivers. *Physics International*, 1(2), 102 – 109.
www.scipub.org
137. **Amadi, A. N.**, Olasehinde, P. I. and Yisa, J., (2010). Characterization of Groundwater Chemistry in the coastal plain-sand aquifer of Owerri using factor analysis. *International Journal of Physical Sciences*, 5(8), 1306 – 1314.
<http://www.academicjournals.org/IJPS>

138. **Amadi, A. N.** and Olasehinde, P. I. (2010). Application of Remote Sensing Techniques in hydrogeological Mapping of parts of Bosso Area, Minna, North-Central Nigeria. *International Journal of Physical Sciences*, 5(9), 1465 – 1474.
<http://www.academicjournals.org/IJPS>
139. Oke, S. A., **Amadi, A. N.**, Abalaka, A. E., Nwosu, J. E. and Ajibade, S. A., (2009). Index and Compaction Properties of Laterite Deposits for Road Construction in Minna Area, Nigeria. *Nigerian Journal of Construction Technology and Management*, 10(1&2), 28–35.
140. Oke, S. A., **Amadi, A. N.**, Abalaka, A. E. and Akerele, R. T., (2009). Results of Subsoil Investigation on a Collapsed Building site in Lagos, Nigeria. *Nigerian Journal of Construction Technology and Management*, 10(1&2), 36 – 45.
141. **Amadi, A. N.**, (2009). Evaluation of Surface and Groundwater Quality in Owerri Metropolis, Southeastern Nigeria. *International Journal of Chemical Sciences*, 2(2), 212 – 219.
142. **Amadi, A. N.**, Olasehinde, P. I., Okunlola, I. A. and Egharevba N. A., (2009). Assessment of Aquifer Characteristics and Groundwater Quality in Parts of Niger State, North-central Nigeria. *International Journal of Chemical Sciences*, 2(2), 234 – 243.
143. **Amadi, A. N.**, Olasehinde, P. I. and Yisa, J., (2009). Evaluation of Groundwater Quality in Aba metropolis, Southeastern Nigeria using Factor Analysis. *ChemClass Journal*, 6(1), 80 – 89.
144. Oke, S. A., Okeke, O. E., **Amadi, A. N.** and Onoduku, U. S., (2009). Geotechnical Properties of the Subsoil for Designing Shallow Foundation in some selected parts of Chanchaga area, Minna, Nigeria. *Journal of Environmental Science*, 1(1), 45 – 54.
145. **Amadi, A. N.**, (2009). Bacteriological and Physico-chemical Characteristics of different Water Sources in Bida Town, Niger State. *Journal of Environmental Science*, 1(1), 72 – 82.
146. Olasehinde, P. I. and **Amadi, A. N.**, (2009). A review of Borehole Construction, Development and Maintenance Techniques around Owerri and its environs, Southeastern Nigeria. *Journal of Science, Education and Technology*, 2(1), 310 – 321.
147. **Amadi, A. N.**, (2009). Aquifer Characteristics and Groundwater Vulnerability in parts of Warri, Delta State, Nigeria. *Journal of Science, Technology and Mathematics Education*, 6(1), 108 – 123.
148. **Amadi, A. N.**, Olasehinde, P. I., Egharevba, N. A., Idris-Nda, A., Goki, N. G. and Unuevho, C. I., (2009). Hydrogeology and Chemical Quality of Groundwater in

Southeastern part of Minna, Niger State, Nigeria. *International Journal of Applied Biological Research*, 1(2), 30 – 37.

149. **Amadi, A. N.**, (2009). Physio-chemical and Bacteriological Evaluation of Groundwater in parts of Aba, Abia State, Southeastern Nigeria. *International Journal of Applied Biological Research*, 1(1), 63 – 71.
150. **Amadi, A. N.**, (2009). Evaluation of Aquifer Characteristics in Southern part of Imo State, Southeastern Nigeria. *Nigerian Journal of Technological Research*, 4(1), 12 – 26.
151. Olasehinde, P. I. and **Amadi, A. N.**, (2009). Assessment of Groundwater Vulnerability in Owerri and its Environs, Southeastern Nigerian. *Nigerian Journal of Technological Research*, 4(1), 27 – 40.
152. **Amadi, A. N.**, Olasehinde, P. I., Idris-Nda, A., Chukwu, J. N. and Egharevba, N. A. (2009). Evaluation of Groundwater Quality in Diko and Environs, Niger State, North-Central Nigeria. *Nigerian Journal of Technological Research*, 4(2), 159 – 169.
153. Okoye, N. O. and **Amadi, A. N.**, (2009). Radiometric Mapping of major Rock types in South-western Nigeria. *Journal of General Studies*, 1(1), 122 – 133.
154. Oke, S. A. and **Amadi, A. N.**, (2008). 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. *Journal of Science, Education and Technology*, 1(2), 87 – 102.
155. **Amadi, A. N.**, (2008). Assessment of Groundwater Potential of Parts of Owerri, Southeastern Nigeria. *Journal of Science, Education and Technology*, 1(2), 176 – 183.

16.2 CONFERENCE PROCEEDINGS

International

156. Unuevho, C.I., Imooje, M., **Amadi, A.N.** and Udensi, E.E..(2022). *Geological, aeromagnetic and geoelectrical prospecting for groundwater in parts of Maikunkele, Northern Nigeria* [Paper Presentation]. 12th International Hydrogeological Conference of Greece and Cyprus, Nicosia, Cyprus. March 20 – 22nd, 2022
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.), *3rd School of Physical Sciences (SPS) Biennial International Conference Book of Proceedings* (pp. 264-273). SPS, Federal University of Technology, Minna, Nigeria.

158. Folorunsho, O. W and **Amadi, A. N.**, (2020). Comparative Study on the Engineering Properties of Pavement Blocks produced from Plastic Wastes and Cement in Lagos, Southwestern Nigeria. *Proceedings of the 56th Annual International Conference & Exhibitions of the Nigerian Mining and Geosciences Society (NMGs)*, held at International Conference Centre, University of Ibadan, between 22nd – 27th March, 2021, pp 128 – 133.
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 20th – 22nd April, 2019, 1189 – 1203. <http://www.icocem.org>
160. Unuevho, C. I., Ajiroba, O. J., **Amadi, A. N.**, Onuoha, K. M. and Udensi, E. E. (2019). Geoelectrical Prospecting for Deep Fracture Aquifers in Kaduna, Part of Minna, Sheet 164 SW, 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 20th – 22nd April, 2019, 1204 – 1216. <http://www.icocem.org>.
161. Ameh, I. M., **Amadi, A. N.**, Unuevho, C. I., Okunlola, I. A. and Shaibu, I., (2019). Influx of Foreign Water Drilling Rigs in Nigeria: A Blessing or a Curse. *Proceedings of the 2nd School of Physical Sciences Biennial International Conference*, held at CPES Complex, Bosso Campus, FUT-Minna, between 24th – 27th June, 2019, 244 – 253.
162. Unuevho, C. I., **Amadi, A. N.**, Okesipe, D. O., Adeniji, O. J., Udensi, E. E., and Goki, N. G., (2019). Geological and Geoelectrical Prospecting for Manganese Ore within Tashan-Kade in Tegna Sheet 142, North-central Nigeria. *Proceedings of the 2nd School of Physical Sciences Biennial International Conference*, held at CPES Complex, Bosso Campus, FUT-Minna, between 24th – 27th June, 2019, 411 – 417.
163. Musa, A., **Amadi, A. N.**, Ebieme, E. E. and Ameh, I. M., (2017). Hydrogeochemical Investigation of Surface and Groundwater Quality around Anguwan Maigiru Mining Sites, Niger State, Northcentral Nigeria. *Proceedings of the 1st School of Physical Sciences Biennial International Conference*, held at CPES Complex, Bosso Campus, FUT-Minna, between 4th – 5th May, 2017, 418 – 433.
164. Dan-Hassan, M. A., **Amadi, A. N.**, Olasehinde, P. I., Okoye, N. O. and Ameh, I. M., (2017). Application of Environmental Isotopes in Elucidating Groundwater Recharge in Abuja, North-central Nigeria. *Proceedings of School of Physical Sciences 1st Biennial International Conference*, held at CPES Complex, Bosso Campus, FUT-Minna, between 4th – 5th May, 2017, 506 – 526.

165. **Amadi, A. N.**, Olasehinde, P. I., Yisa, J., Nwankwoala, H. O., Ameh, I. M. and Shaibu, I. (2016). Analytical studies on heavy metal contamination of Imo River. *Proceedings of the International Conference on Education, Development and Innovation (INCEDI)*, held at Tang Palace Hotel, Accra, Ghana, between 29th – 31st August, 2016, 962 – 973.
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 29th – 31st August, 2016, 974 – 990.
167. Angwa, E. M., **Amadi, A. N.**, Olasehinde, P. I., Ameh, I. M., Shaibu, I. and Okoye, N. O., (2016). Hydrogeochemical Assessment of Groundwater Quality in Federal Housing Estate Lugbe, Abuja, Nigeria. *Proceedings of the 7th International Conference of the Nigeria Association of Hydrological Sciences*, held at Chemical Engineering Complex, FUT-Minna, between 18th – 21st October, 2016, 180 – 187.
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 4th International Conference of School of Science and Technology Education*, held at CPES Complex, Bosso Campus, FUT-Minna, between 4th – 7th October, 2016, 127 – 139.
169. Olasehinde, P. I., **Amadi, A. N.**, Yisa, J., Dan-Hassan, M. A., Okoye, N. O. and Shaibu, I., (2016). A study of fluoride occurrence and some heavy metals in Groundwater from shallow Aquifers near Ogbomosho, Southwest Nigeria. *Proceedings of the 12th ChemClass Conference (Zaria Chapter)*, held at School of Postgraduate Studies, ABU Zaria, between 2nd – 3rd June, 2016, 152 – 160.
170. **Amadi, A. N.**, Ameh, I. M., Okunlola, I. A., Dan-Hassan, M. A. and Tukur, A., (2015). Geoscience investigation of selected sites in Minna for siting a sanitary landfill. *Proceedings of the 1st International Engineering Conference, School of Engineering and Engineering Technology, Federal University of Technology Minna, Nigeria*, held at Chemical Engineering Complex, FUT-Minna, between 1st – 3rd September, 2015, 181 – 189.
171. Dan-Hassan, M. A., **Amadi, A. N.**, Yaya, O. O. and Okunlola, I. A., (2015). Managing Nigerian's Groundwater Resources for Safe Drinking Water. *Proceedings of the 6th International Conference and Annual General Meeting of the Nigerian Association of Hydrological Sciences*, held at School of Postgraduate Studies, ABU Zaria, between 15th – 18th September, 2015, 85 – 91.
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

Eastern Niger Delta, Nigeria. *13th South African Biennial Groundwater Division Conference & Exhibition*, held at Southern Sun Elangeni Hotel, 63 Snell Parade, Durban, South Africa, between 17th – 19th September, 2013, pp 72.

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 24th – 27th 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, Auchi, Nigeria. *Annual Conference of the Ghana Institute of Geoscientists (GHIGCON-2023)*, held at University of Ghana, Legon-Accra, Ghana, between 24th – 27th 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 13th – 16th 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 13th – 16th 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. *2nd International Association of Engineering Geologist (IAEG) Africa Regional Congress & 4th Annual International Conference of Nigerian Association for Engineering Geology and the Environment (NAEGE)*, held at Hotel De-Bently, Abuja, Nigeria between 27th – 30th 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. *26th Colloquium of African Geology, held at International Conference Centre, University of Ibadan, Nigeria* between 23rd – 27th 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. *26th Colloquium of African Geology, held at International Conference Centre, University of Ibadan, Nigeria* between 23rd – 27th 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

4th April, 2024