

## **GRANTS AND AWARDS: Prof. Moshood N. TIJANI**

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**3. Scholarship, Fellowship and Prizes:**

- a) **1984 - 1986:** "University Scholar Award" for outstanding undergraduate students University of Ilorin, Ilorin – Nigeria.
- b) **August 1986:** Departmental Prize for the best Student in the final year B.Sc. Degree Examinations; Dept. of Geology, University of Ilorin, Ilorin Nigeria.
- c) **Aug. 1991 - Sept. 1992:** Scholarship award of the German Academic Exchange Service (DAAD), for post-graduate course in Hydrogeology & Engineering Geology of Tropical and Sub- tropical regions at the University of Tuebingen, Federal Rep. of Germany.
- d) **1993 - 1997:** Scholarship award of the German Academic Exchange Service (DAAD), for Doctoral programme in Hydrogeology & Hydrochemistry at the University of Muenster, FR. Germany.
- e) **July - Dec. 2001:** Recipient; Research Fellowship Award of The Matsumae International Foundation (MIF), Tokyo Japan, at the Institute of Environmental Systems (SUIKO), Kyushu University, Fukuoka, Japan.
- f) **Aug. 2003 - June 2005:** Recipient; Post-doctoral Research Fellowship of Japanese Society for the Promotion of Science (JSPS), Tokyo Japan, at the Dept. of Natural Environmental Sciences, Hiroshima University, Higashi-Hiroshima, Japan.

**4. Honours and Distinctions:**

- a) 1<sup>st</sup> Prize Winner of the *NMGS-TOTAL FINAL ELF AWARD* for best the Technical Paper presented at the NMGS Annual Conference, 2002 (P/Harcourt).
- b) Recipient; United Nations University (UNU), Tokyo - Travel Fellowship for participation in Global Seminar on "Safety and Conviviality in the Global Community" 27-30, Sept., 2004, Kobe-Awaji, Japan.

- c) Recipient; United Nations University (UNU), Tokyo - Travel Fellowship for participation in Global Seminar on “Globalization and Regionalization” 20-23, Nov., 2004, Kanazawa, Japan.
- d) Recipient; UNESCO - Travel Scholarship for participation at the *ISMAR 5*, - 5<sup>th</sup> Int’l Symposium on Management of Aquifer recharge 12-16, June, 2005 in Berlin, Germany (June, 2005).
- e) Recipient; UNESCO - Travel Scholarship for participation at the *ISMAR 6*, - 6<sup>th</sup> International Symposium on Management of Aquifer Recharge; 22-26, Nov. 2007, in Phoenix, Arizona, USA.
- f) Recipient; UNESCO - Travel Scholarship for participation at the *ISMAR 7*, - 7<sup>th</sup> International Symposium on Management of Aquifer Recharge (MAR); 9<sup>th</sup>-13<sup>th</sup> Oct., 2010, Abu-Dhabi, UAE.
- g) 3<sup>rd</sup> Prize Winner of the *NMGS-TOTAL AWARD* for the best Technical Paper presented at the NMGS Annual Conference, 2015 (Lagos).
- h) 2<sup>nd</sup> Prize Winner of the *NMGS-TOTAL FINAL ELF AWARD* for best the Technical Paper presented at the 53<sup>rd</sup> Annual NMGS Conference, Abuja, 2017.
- i) 57<sup>th</sup> Annual NMGS Conference Recipient; IAH - Travel Grant for participation at the 43<sup>rd</sup> *IAH International Congress on Groundwater and Society*, 25<sup>th</sup> Sept. to 2<sup>nd</sup> Oct., 2016, Montpellier, France.
- j) 1<sup>st</sup> Prize Winner of the *NMGS-TOTAL FINAL ELF AWARD* for best the Technical Paper presented at the 55<sup>th</sup> Annual NMGS Conference, Enugu, 2019.
- k) 2<sup>nd</sup> Prize Winner of the *NMGS-TOTAL FINAL ELF AWARD* for best the Technical Paper presented at the 56<sup>th</sup> Annual NMGS Conference, Ibadan, 2020/21.

## **5. Membership/Fellowship of Learned Societies:**

- a) Member and Fellow; Nigerian Mining and Geosciences Society (NMGS)
- b) Member and Fellow; Nigerian Association of Hydrogeologists (NAH).
- c) Member and Fellow; Nigerian Association for Engineering Geology and the Environment (NAEGE).
- d) Life Member; Association of Geoscientists for International Development, (AGID).
- e) Life Member; Geological Society of Africa (GSAf).
- f) Member and Fellow; International Association of Hydrogeologists (IAH).
- g) Member; International Association of Hydrological Sciences (IAHS).
- h) National Representative and Life Member; World Association of Soil and Water Conservation (WASWC).
- i) Registered Geoscientist (COMEG - Council of Mining Engineers and Geoscientists).
- j) President - the Nigerian Association for Engineering Geology and the Environment (NAEGE), 2020 – 2022
- k) Vice-President – Africa Region, International Association of Engineering Geology (IAEG); 2023 – to Date

- l) Editor-In-Chief; Journal of Mining and Geology, a professional publication of the Nigerian Mining and Geosciences Society (NMGS), 2015 – 2019.
- m) Editor-In-Chief; Journal of Mining and Geology, a professional publication of the Nigerian Association for Engineering Geology and the Environment (NAEGE), 2016 – 2020.
- n) Associate Editor; Journal of International of Hydrogeology, a publication of the International Association of Hydrogeologists (IAH): 2016 – 2018.

## 6. Current Research Activities including Research Grants:

### (i) Current Research Activities

- a) Assessment of impacts of Climate and Land-use changes on the groundwater resources of coastal environments of SW-Nigeria.
- b) Assessment of Groundwater Quality, and Hydrogeochemical mapping of saline water intrusion in coastal sedimentary aquifers of SW-Nigeria:
- c) Hydrogeological mapping and delineation of groundwater potential zones in the crystalline basement terrain of SW-Nigeria using integrated GIS and Remote Sensing approach.
- d) Evaluation of Hydraulic characteristics of weathered Basement aquifers of SW-Nigeria using hydraulic empirical approach and field pumping tests.
- e) Geochemical and engineering geological studies of clay-shale materials in selected sedimentary basins in Nigeria as land-fill liners in waste disposal systems.

### (ii) Research Grants

- a) Co-Principal Investigator (2024): Studies on the Effects of Climate Change on Nigeria's Groundwater Resources - *Hydrogeological Assessments of Nine Cities in Nigeria*. As part of UNESCO (Nigeria) Project on “*Improving Groundwater Governance for Water Security and Building Resilience against the Impact of Climate Change in Human Settlements*”. (Project N°: 4500505115 – On-going).
- b) Co-Principal Investigator (2023-2027): **GroundWater SuStainable and Equitable development uNder Constraints of Ecosystem (GWS-SENCE)** conservation and saltwater intrusion prevention - A collaborative research with the IHE Delft Institute for Water Education, under funding from the Dutch Ministry of Foreign Affairs to implement the Water and Development Partnership Programme in 3 African Countries (Nigeria, Egypt and Kenya). DUCP3 Project - Ref No: 2022/076/110791/EWH. (On-going)
- c) Co-Investigator (2023-2027): Groundwater for Resilience in Africa (G4DR in Africa): A collaborative GEF International Waters Project involving The African Ministers Council on Water (AMCOW), International Water Management Institute (IWMI) and the International Institute for Applied Systems Analysis (IIASA), supported by FAO. (On-going)
- d) Co-Principal Investigator (Nov. 2023 - March 2024): HEFCW (Higher Education Funding Council for Wales) ODA Award. Add-on funding for Field Equipment in respect of project on “Adaptation and Resilience in the Global South: the rise of the

off-grid city and unconventional utility supplies -Case Study of Lagos". In partnership with Dr. Adrian Healy, University of Cardiff, UK.

- e) Co-Principal Investigator (2021-2027): Groundwater level monitoring with focus on impacts of climate induced sea-level rise on groundwater abstractions and quality: A case study of coastal aquifers of Lagos and environs. UKRI's Global Challenges Research Fund in partnership with Dr. Adrian Healy, University of Cardiff, UK (Ref: HealyFLF) as part of UKRI Project on "Water stressed cities: individual choice, access to water and pathways to resilience in sub-Saharan Africa". Grant No. MR/S031863/1 and MR/X022943/1 (On-going)
- f) Co-Principal Investigator (2017-2018): Consortium Grants on "*Resilience in Groundwater Supply Systems*" (RIGSS) in partnership with the Cardiff University, Wales, UK; British Geological Survey, UK and SKAT Foundation, Switzerland. Supported by Natural Environment Research Council (NERC), UK, as part of the GCRF: Building Resilience Research Programme (Grant number: NE/P01545X/1). (Completed)
- g) Co-Investigator: NWRCBNet-SW (2019): Project on "*Hydrogeological Mapping of Catchment Area of Ogun-Osun River Drainage System, South-Western Nigeria*" Funded by National Water Resources Institute (NWRI), Kaduna in collaboration with Federal Ministry of Water Resources, Abuja and World Bank, Abuja for National Water Resources Capacity Building Network (NWRCBNet). (Completed)
- h) Principal Investigator (2016-18): Research Grant on "*Impacts of Land-use and Climate Induced Changes on Coastal Environment: An Integrated Hydrogeological, GIS-Based Vulnerability and Social-Economic/Livelihood Assessments of Coastal Environment of SW-Nigeria*" Funded by the University of Ibadan Research Foundation (UI-RF). (Completed)
- i) Co-Principal Investigator (2016-2017): UK-funded UPGro Programme on "*Compilation of the Africa Groundwater Atlas*" in partnership with the British Geological Surveys (BGS). The Nigeria page (co-authored) is the most visited of all the country profiles and has been cited in several academic publications. ([http://earthwise.bgs.ac.uk/index.php/Hydrogeology\\_of\\_Nigeria](http://earthwise.bgs.ac.uk/index.php/Hydrogeology_of_Nigeria)). (Completed)
- j) Co-Investigator (2014-2015): UPGro Consortium Grants in respect of "*Safe groundwater provision for the urban poor - addressing challenges of water quality, governance and changing future scenarios*". Supported by NERC, UK in partnership with the British Geological Surveys (BGS). (Completed)
- k) Co-Investigator (2013-2014): UPGro Consortium Grants on "*Groundwater recharge in Africa: identifying critical thresholds*". Supported by NERC UK in partnership with the British Geological Surveys (BGS). (Completed)
- l) Co-Principal Investigator (2010-2011): CODESRIA-funded Research study of the "*Comparative assessment of Wetland Losses and Degradation in Nigeria and Lesotho*" Funded by the Council for the Development and of Social Science Research in Africa (CODESRIA) for the Comparative Research Network Programme (CRN) - CRN/CP4/2009. (Completed)

- m) Co-Investigator (2010-11): Study of *“Water Economy and Livelihoods Survey (WELS) in Nigeria and Mali, sub-Saharan Africa: Investigating Water Security across a Rainfall transect”*. Funded by DFID–UK in partnership with the British Geological Surveys (BGS). (Completed)
- n) Principal Investigator and Nigeria Team Lead (2011): Country-based study of *“Livelihood impacts of improved on-farm water control in sub-Saharan Africa: An empirical investigation of three modes of small-holder agricultural water management”*. funded by International Water Management Institute (IWMI) Colombo, Sri Lanka. Project Code 058-01-01-ROF-PR-M615 (Completed)
- o) Co-Investigator (1993-1996): Study of *“Hydrochemical Research on the origin of saline groundwaters in the Benue-Trough, Nigeria”*. Funded by Volkswagen Foundation, Hannover, Germany (Project No. I/65602). (Completed)

Date: 5<sup>th</sup> May, 2025