

CURRICULUM VITAE

Professor Moshood 'Niyi TIJANI <i>fnmgs, fnah, fnaege</i> (FNMGS, FNAH, COMEG-Rgd. Cert-Geol.) (Professor of Hydrogeology and Environmental Engineering Geology)		
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I. PERSONAL PROFILE / DETAILS

- a) **FULL NAME:** Prof. Moshood 'Niyi **TIJANI**
- b) **MARITAL STATUS:** Married (with Children)
- c) **DATE AND PLACE OF BIRTH:** 3rd June, 1965; Saki - Town
- d) **NATIONALITY:** Nigerian
- e) **CURRENT POSTAL ADDRESS:** c/o Department of Geology,
University of Ibadan,
Ibadan – NIGERIA
E-mail: tmoshood@gmail.com
- f) **PERMANENT HOME ADDRESS:** Plot 1, Block XI, Oke-badan Estate,
Off Alao-Akala Way,
Akobo-Ojurin, Ibadan – Oyo State.

II. PRESENT EMPLOYMENT / STATUS:

Professor, Lecturer, Researcher and Consultant in Hydrogeology, Environmental and Engineering Geology, *with emphasis on:*

- Groundwater Resources Development / Management (including borehole design and development operations).
- Hydrogeophysical Groundwater Exploration including Hydrogeochemical and Hydraulic Characterizations of Aquifer,
- Hydrochemical Analyses and Water Quality Assessment with respect to drinking standards and human health,
- Assessments of Impacts of Climate and Land-use Changes on Groundwater Resources.
- Environmental Pollution Assessment of Water and Soils including Environmental Impacts Assessments (EIA) and Auditing,
- Hydrogeochemical Assessment of Clay-shale materials as landfill liners in waste disposal sites.

III. UNIVERSITY EDUCATION (with Dates):

- 1993 - 1997:** Doctorate programme; Geologisches Institut, Universität Muenster, Muenster, Federal Rep. of Germany.
- 1991 - 1992:** Post-Graduate Course; Institut für Geologie, Universität Tuebingen, Tuebingen, Federal Rep. of Germany.

- c) **1988 - 1990:** M.Sc. Degree Programme; University of Ibadan, Ibadan - Nigeria.
- d) **1982 - 1986:** B.Sc. Degree programme; University of Ilorin, Ilorin - Nigeria.

IV. ACADEMIC QUALIFICATIONS (with Dates):

- a) *Doctors der Naturwissenschaften (Dr. rer. nat.)* in Hydrogeology/Environmental Geology, July, 1997; Universität Muenster, Fed. Rep. Germany.
- b) *Master of Science (M.Sc.) in Hydrogeology & Engineering Geology*, August, 1990, University of Ibadan, Ibadan, Nigeria.
- c) *Bachelor of Science (B.Sc. Hons.) Geology* (2nd Class Upper Division), August, 1986, University of Ilorin, Ilorin, Kwara State, Nigeria.

V. PROFESSIONAL QUALIFICATIONS & DIPLOMAS:

Postgraduate Certificate in Hydrogeology & Engineering Geology of Tropical and Sub-tropical Regions; September, 1992; Universität Tuebingen, Tuebingen, Fed. Rep. Germany.

VI. SCHOLARSHIPS AND FELLOWSHIPS:

- 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) Recipient; Research Fellowship Award of The Matsumae International Foundation (MIF), Tokyo Japan, at the Institute of Environmental Systems (SUIKO), Kyushu University, Fukuoka, Japan (July - Dec. 2001).
- f) 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 (Aug. 2003 - June 2005).

VII. HONOURS, DISTINCTIONS & PRIZES:

- a) 1st 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) 3rd Prize Winner of the *NMGS-TOTAL AWARD* for the best Technical Paper presented at the NMGS Annual Conference, 2005 (Lagos).
- e) Recipient; UNESCO - Travel Scholarship for participation at the *ISMAR 5* , - 5th Int'l Symposium on Management of Aquifer recharge 12-16, June, 2005 in Berlin, Germany (June, 2005).
- f) Recipient; UNESCO - Travel Scholarship for participation at the *ISMAR 6* , - 6th International Symposium on Management of Aquifer Recharge; 22-26, Nov. 2007, in Phoenix, Arizona, USA.
- g) Recipient; UNESCO - Travel Scholarship for participation at the *ISMAR 7*:- 7th International Symposium on Management of Aquifer Recharge (MAR): 9th-13th Oct., 2010, Abu-Dhabi, UAE.
- h) 2nd Prize Winner of the *NMGS-TOTAL AWARD* for the best Technical Paper presented at the NMGS Annual Conference, 2016 (Lagos).
- i) Recipient; IAH - Travel Grant for participation at the 43rd *IAH International Congress on Groundwater and Society*, 25th Sept. to 2nd Oct., 2016, Montpellier, France.
- j) 2nd Prize Winner of the *NMGS-TOTAL AWARD* for the best Technical Paper presented at the NMGS Annual Conference, 2017 (Abuja).

VIII. MEMBERSHIP OF LEARNED SOCIETY / ORGANIZATION

- a) Member of Council, Nigerian Mining and Geosciences Society (NMGS)
- b) West Africa Coordinator, African Network of Earth Science Institutions (ANESI)
- c) Member and Fellow; Nigerian Association of Hydrogeologists (NAH).
- d) Member and Fellow; Nigerian Association for Engineering Geology and the Environment (NAEGE).
- e) Life Member; Geological Society of Africa (GSAf).
- f) Life Member; Association of Geoscientists for International Development, (AGID).
- g) Member; International Association of Hydrogeologists (IAH).
- h) Member; International Association of Hydrological Sciences (IAHS);
- i) National Representative and Life Member; World Association of Soil and Water Conservation (WASWC).
- j) Registered Geoscientist (COMEG - Council of Mining Engineers and Geoscientists).

VIII. WORKING AND PROFESSIONAL EXPERIENCE

1) Geologisches Institute, Universitaet Muenster, Muenster - FR. Germany.

- a) *April – May, 1995*: Co-organiser and co-ordinator of Semester Break Field Practical Class on Hydrogeology of Eschwege Region, Germany for the 3rd and 4th Year Undergraduate Students of Geologisches Institut, University of Muenster, Muenster, FRG.

- b) April – May, 1996:* Co-organiser and co-ordinator of Semester Break Field Practical Class on Hydrogeology and Engineering Geology of Muensterland Basin, North-central Germany for the 3rd and 4th Year Undergraduate Students of Geologisches Institut, University of Muenster, Muenster FRG.

2) Department of Geology, University of Ibadan, Ibadan – Nigeria.

(University Lecturer / Researcher)

- Lecturing of Hydrogeology, Applied Geology courses
- Design and formulation of research projects in Applied Geology
- Supervision of Undergraduate and Post-Graduate Projects.
- Supervision and Mentorship of Research PhD Students

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|-----------------------------------|-----------------|
| a) January to August, 1998: | Lecturer II |
| b) August, 1998 to October, 2002: | Lecturer I |
| c) August, 2002 to October 2005: | Senior Lecturer |
| d) October, 2005 to October, 2008 | Reader |
| e) October, 2008 to Date: | Professor |

3) Other Industry / Professional Working Experience

- a) Oct. 1990 - July 1991:* NIGERHOPE (Nig.) Ltd., (Drilling - Engineers), Lagos, Nigeria. (as Geologist/Hydrogeology)
- Supervision of water borehole drilling operations.
 - Collection & logging of borehole samples.
 - Compilation of borehole data & reports.
- b) Nov. 1987 - July 1988:* GEOSCIENCES (Nig.) Ltd., Ilorin, Kwara State, Nigeria. (as Geologist/Hydrogeology).
- Geophysical exploration for groundwater.
 - Supervision of water borehole construction.
 - Collection and logging of borehole samples.
 - Compilation of borehole data & reports.
- c) Sept. 1986 - Aug. 1987:* Niger State Water Board, Minna, Nigeria
(As Geologist during the National Youth Service)
- Supervision of water borehole construction.
 - Dam sites investigations.
 - Collection & logging of borehole samples.
 - Compilation of borehole data & reports.
- d) July – Sept. 1985:* UNICEF-Assisted Water & Sanitation Project, Kwara State, Nigeria (as student trainee):
- Geophysical exploration for groundwater.
 - Collection & logging of borehole samples at the drilling site.

4) Administrative Responsibilities and Community Services:

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| a) Head of Department, | Aug. 2012 – July, 2016 |
| b) Acting Head of Department, | Aug. 2010 – July 2012 |
| c) Member Senate, University of Ibadan, Ibadan | 2006 – Date |
| d) Faculty appointment and Promotion Committee
Departmental Registration Officer, | Aug. 2010 – Date
2000/2001 Session |
| e) Assistant PG Coordinator, | 2001/2002 Session |

- f) Faculty Representative: Board of Technology, 2002/2003 Session
- g) Post-graduate Coordinator, 2002/2003 Session
- h) Departmental Registration Officer, 2005/06 – 2008/09
- i) Departmental Examination Officer, 2004/05 – 2009/10

- j) Member Faculty of Science Board of Examiners 1998/99 – Date
- k) Member, Council of the Nigerian Mining and Geosciences Society (NMGS)
April, 2013 – April, 2019
- l) Member Executive Committee and National Representative the World
Association of Soil and Water Conservation (WASWC) 2010 till Date
- m) Editor-In-Chief, Journal of Mining and Geology, of the Nigerian Mining and
Geosciences Society (NMGS) April, 2014 – April, 2019
- n) Editor-In-Chief, Journal of Nigerian Association of Engineering geology and
the Environment (NAEGE) 2015 - 2020
- o) President, Nigerian Association of Engineering geology and the Environment
(NAEGE) 2019 - 2021
- p) Chairman, Governing Council of The Oke-Ogun Polytechnic Saki, a state-owned
Tertiary Institution in Oyo State, Nigeria Jan. 2018 till May, 2019.

X. INTERNATIONAL RESEARCH / CONSULTANCY PROJECTS

- 1) Co-Investigator: Consortium Grants (2017-2018) 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).
- 2) 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 in support of the National Water Resources Capacity Building Network (NWRCBNet).
- 3) Co-Investigator: UK-funded UPGro Programme (2016-2017) 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. Further information at: http://earthwise.bgs.ac.uk/index.php/Hydrogeology_of_Nigeria
- 4) Principal Investigator: UI-RF Research Grant (2016-18) 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 Research Grant of the University of Ibadan Research Foundation (UI-RF).
- 5) Co-Investigator: UPGro 2014-2015 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).
- 6) Co-Investigator: UPGro 2013-2014 Consortium Grants on “*Groundwater recharge in Africa: identifying critical thresholds*”. Supported by NERC UK in partnership with the British Geological Surveys (BGS).

- 7) Co-Investigator: 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) Core Programme - CRN/CP4/2009. 2010 / 2011.
- 8) Co-Investigator: Research study of “*Water Economy and Livelihoods Survey (WELS) in Nigeria and Mali, sub-Saharan Africa: Investigating Water Security across a Rainfall transect*” (2010-11). Funded by DFID – Department for International Development (UK) in partnership with the British Geological Surveys (BGS).
- 9) Team leader for a 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*”. Project Code 058-01-01-ROF-PR-M615 funded by International Water Management Institute (IWMI) Colombo, Sri Lanka (2011).
- 10) Consultant / Resource Person for Training Workshop on “*Water Quality and Water Treatments*” for graduate Geosciences and Engineering Staff of the Nigerian National Petroleum Corporation (NNPC).
- 11) Consultant / Resource Person for Training Workshop on “*Procedure for Water Sampling and Water Quality Assessment in Geochemical Mapping*” for technical staff of Nigerian Geological Survey Agency (NGSA).
- 12) Co-Investigator: Research on the 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). Final Report 37p. 1995.
- 13) Consultant / resource person for Geological evaluation and economic potentials of investigation of Brine Salt occurrence in the Benue-Trough, Nigeria (Okpoma, Gabu, Ameri and Awe Projects) on behalf of Global Minerals Ltd., as part of Nigeria Mineral Appraisal and Monetization Programme (NIMAMOP) Stage II.
- 14) Consultant / resource person for Geological and geotechnical assessment of Polishing and Ornamental Characteristics of outcrop units of Basement Igneous and Metamorphic rocks in Southwestern Nigeria on behalf of Nigeria Geological Survey Agency of (NGSA).

XI. RESEARCH ACTIVITIES

a) List of Completed Research

- 1) Hydrogeophysical and aquifer hydraulic characterization and models of case studies of Basement Complex terrain of Nigeria (emphasizing evaluation of groundwater resources, hydraulic properties and groundwater potential of subsurface aquiferous medium).
- 2) Hydrogeochemical and isotope hydrologic assessments of typical Basement Complex terrain of Nigeria (emphasizing water quality, chemical evolution, age characterization of groundwater systems).

- 3) Hydrogeological and environmental water quality assessment of case studies of coastal groundwater systems in Nigeria (emphasizing impacts of abstractions and saline water intrusion on the quality and sustainable groundwater management).
- 4) Experimental studies of hydrochemical interactions of seawater on strength of cement concretes in coastal environments (emphasizing chemical interactions and impacts of seawater on the durability and strengths of coastal concrete-based infrastructures).

b) List of On-Going Research

- 1) Characterization of aquifer potentials and hydraulic properties of selected areas of Basement Complex terrain in Nigeria using integrated hydrogeophysical techniques.
- 2) Groundwater level monitoring with focus on impacts of abstractions and groundwater quality monitoring with focus on impacts of climate induced sea-level rise in coastal aquifers of Lagos and environs.
- 3) Development of a Pan-African Groundwater Programme with particular reference to groundwater governance, knowledge sharing and capacity for sustainable utilization and management of groundwater resources in Africa.

XII. SELECTED PUBLICATION (2015 till Date)

a) Articles in Refereed / Edited Proceedings:

- 1) Tijani, M.N., Wagner J.F. and Nton, M.E. (2015): Clay-shale Materials as Low-cost Landfill Liners: An Integrated Geochemical and Geotechnical Assessments. In: Zakaria Hossain, Akira Kobayashi and Shinya Inazumi (Eds.): *Proceedings of 5th Inter'l Conf. on Geotechnique, Construction Materials and Environment, (GEOMATE-5), Osaka, Japan, Nov. 16-18, 2015.* ISBN:978-4-9905958-4-5 C3051. 51(1):96–101. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AsmD21kAAAAJ&cstart=20&pagesize=80&citation_for_view=AsmD21kAAAAJ:O3NaXmp0MMsC
- 2) Tijani, M.N., Inim, I. J., and Adetu, S. O. (2015): Experimental Study of Influence of Seawater on Strength of Concrete Structures. In: Zakaria Hossain, Akira Kobayashi and Shinya Inazumi (Eds.): *Proceedings of 5th International Conference on Geotechnique, Construction Materials and Environment, (GEOMATE-5), Osaka, Japan, Nov. 16-18, 2015.* ISBN: 978-4-9905958-4-5 C3051. Vol. 51(1): 621 – 626. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AsmD21kAAAAJ&cstart=20&pagesize=80&citation_for_view=AsmD21kAAAAJ:4OULZ7Gr8RgC
- 3) Tijani, M.N., Healy, A., MacDonald, A., Upton, K., Goni, I. and Bristow, G. (2015): Proliferation of household Wells and Boreholes: Implication for the Resilience and Sustainability of Groundwater Resources in Lagos, Nigeria. *Book of Reading, 7th National Water Conference, Kano, Nigeria, December 12-14, 2015.* Pp. 328 – 341. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AsmD21kAAAAJ&cstart=20&pagesize=80&citation_for_view=AsmD21kAAAAJ:dfsIfKJdRG4C

- 4) Kolawole L.L., Tijani M.N., Owolabi R.R., Okunola A.I. (2018): Sediment Geochemistry and Weathering Indices of Asa River Sediments, Lower Niger River Basin, West Central Nigeria. *In: Kallel A., Ksibi M., Ben Dhia H., Khélifi N. (eds) Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, EMCEI 2017.* https://doi.org/10.1007/978-3-319-70548-4_414
- 5) Tijani, M. N., Olaleye, A. O., Olubanjo, O. O. and Diop, S. (2018): Environmental Assessments of Impacts of Land-use Changes and Quality Status of Soils in Eleyele Wetland, Ibadan, SW-Nigeria. *In: G. Rahmann, V. olowe, T. Olabiyi, K. Azim, O. Adeoluwa (Eds.) 2018: Scientific Track Proceedings of the 4th African Organic Conference “Ecological and Organic Agriculture Strategies for Viable Continental and National Development in the Context of the African Union’s Agenda 2063”* Nov. 5-8, 2018, Saly Portudal, Senegal. Pp. 277 – 283. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AsmD21kAAAAJ&cstart=20&pagesize=80&citation_for_view=AsmD21kAAAAJ:cFHS6HbyZ2cC
- 6) Tijani, M.N., Adesiyani, A.A., Aruwa, J.H., Diop, S. and Obini, N. (2020): Experimental Studies of Effects of Hydrochemical Interactions of Seawater on Strength and Durability of Cement Concretes. *Proceedings of the 56th Annual International Conference & Exhibitions of the Nigerian Mining and Geosciences Society (NMGS)*, 22 - 27, March 2020, Volume 1:147-153.
- 7) Lawal, A., Tijani, M.N. and Sarkin-Yandoka, B.M. (2020): Geoelectrical Assessment of the Vulnerability of Aquifers and Soil Corrosivity in the Parts of Bauchi, North-eastern Nigeria. *Proceedings of the 56th Annual International Conference & Exhibitions of the Nigerian Mining and Geosciences Society (NMGS)*, 22 - 27, March 2020, Volume 2:409-413.

b) Articles in Learned Professional Journals:

- 8) Seybatou Diop, Meissa Fall, Adama Dione and Moshood N. Tijani (2015): Diagnosis Study of the Louga-Ouarack-Ndoyène R31 Regional Road (Senegal). *Geomaterials*, Vol. 5(1):34–44. <http://dx.doi.org/10.4236/gm.2015.51004>
- 9) Diop, S., Wade, S. and Tijani, M.N. (2016): Feasibility Analysis of MERIS as a Tool for Monitoring Lake Guiers (Senegal) Water Quality. *Journal of Water Resource and Protection*, Vol. 8:100–119. (<http://dx.doi.org/10.4236/jwarp.2016.81009>).
- 10) Adesina, R. B. and Tijani, M.N. (2017): Geotechnical and Geochemical Assessments of Shales in Anambra Basin, Southeastern Nigeria, as Landfill Liners. *Earth Syst Environ.* 1:20(1-9) (<https://doi.org/10.1007/s41748-017-0022-x>).
- 11) Ayuba, R., Tijani M.N. and Omonona, O.V. (2017): Hydrochemical Characteristics and Quality Assessment of Groundwater from Shallow Wells In Gboloko Area, Central Nigeria. *Global Journal of Geological Sciences*, Vol. 15:65-76. <http://dx.doi.org/10.4314/gjgs.v15i1.6>
- 12) Lapworth D. J., D. C. W. Nkhuwa, J. Okotto-Okotto, S. Pedley, M. E. Stuart, M. N. Tijani, and J. Wright, (2017): Urban groundwater quality in sub-Saharan Africa: current status and implications for water security and public health. *Hydrogeology Journal*, Volume 25:1093–1116. DOI 10.1007/s10040-016-1516-6.
- 13) Tijani, M.N., Crane E, Upton, K. and Ó Dochartaigh, Bellwood-Howard, I. (2018): Africa Groundwater Atlas: Hydrogeology of Nigeria. *British Geological Survey Publication*. http://earthwise.bgs.ac.uk/index.php/Hydrogeology_of_Nigeria

- 14) Inim, I.J., Tijani, M.N. and Affiah, U.E. (2018): Experimental assessment of electrical properties of lateritic soils as an alternative non-destructive method for compaction monitoring, *Int'l. Jour. of Geotechnical Engineering*, Vol. 12(3):252–257. <https://doi.org/10.1080/19386362.2016.1270792>
- 15) Tijani, M.N., Alichu U.A. and Diop S. (2018): Influence of Bedrocks on Hydraulic Characteristics of Weathered Basement Aquifers: A Case Study from Ibadan, South-Western Nigeria. *Journal of Mining and Geology* Vol. 54(1):23–33. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AsmD21kAAAJ&cstart=20&pagesize=80&citation_for_view=AsmD21kAAAJ:NhqRSuPF18C
- 16) Sualla S., Tijani, M. N., Oladunjoye, M. A. and. Oki, O. A (2018): Geo-electric Laboratory Simulation for Characterization of Hydrocarbon Impacted Coastal Sands. *Archives of Current Research International*, Vol. 12(1): 1-16. DOI:[10.9734/ACRI/2018/37490](https://doi.org/10.9734/ACRI/2018/37490)
- 17) Aladejana, J.A., Odeyemi, O.O., Tijani, M.N. and Hassan, I. (2018): Integrated Assessment of Leachate Concentration in Soil Underlying Amuloko Open Waste Dumpsite, Ibadan SW- Nigeria. *Jour. of Mining and Geology* Vol. 54(1):1–11. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AsmD21kAAAJ&cstart=20&pagesize=80&citation_for_view=AsmD21kAAAJ:xtRiw3GOFMkC
- 18) Tijani, M.N., Oluchukwu, I.N. and Oladunjoye, M.A. (2018): Estimation of Hydraulic Properties from Resistivity Sounding Data: A Case Study of Basement Aquifer in Ibadan, SW – Nigeria. *Journal of Mining and Geology*, Vol. 54(1): 59–74. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AsmD21kAAAJ&cstart=20&pagesize=80&citation_for_view=AsmD21kAAAJ:CHSYGLWDkRkC
- 19) Tijani, M.N., Adekoya, A.E., Fashae, O.A., Tijani, S.A. and Aladejana, J.A. (2018): Land-Use Changes and Urbanization Impacts on Livelihood and Groundwater Sustainability of Coastal Areas of Lagos, SW-Nigeria: Integrated GIS-based, Livelihood and Hydrochemical Assessments. *Journal of Mining and Geology*, Vol. 54(2): 187 – 202. https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AsmD21kAAAJ&cstart=20&pagesize=80&citation_for_view=AsmD21kAAAJ:1sJd4Hv_s6UC
- 20) Affiah, U.E., Inim, I.J., Tijani, M.N. and Ituen, A.O. (2018): Groundwater Quality Assessment for Drinking Water using Water Quality Index (WQI): A Case Study of Eastern Obolo, South-eastern Nigeria. *Journal of Environment and Earth Science*, Vol. 8(6): 12-17. <https://www.iiste.org/Journals/index.php/JEES/article/view/42824>.
- 21) Kolawole, LL, Tijani, MN, Owolabi, RR, and Okunola, AI. (2018): Sediment Geochemistry and Weathering Indices of Asa River Sediments, Lower Niger River Basin, West Central Nigeria. *Advances in Science Technology & Innovation*; 1419-1421. DOI: 10.1007/978-3-319-70548-4_414.
- 22) Akanbi, O.A. and Tijani, M.N. (2019): Sustainability and Conceptual Groundwater Hydraulic Models of Basement Aquifers. *RMZ–Materials and Geoenvironment*, Vol. 66: 087–098. DOI: <https://doi.org/10.2478/rmzmag-2019-0016>
- 23) Diédhiou, C., Diop, S., Faye, G., Tijani, M.N. and Wade, S. (2019): Study on the Applicability of Landsat-8 Images as a Tool for Monitoring the Trophic State of Lake Guiers (Senegal). *Jour. Water Resource and Protection*, Vol., 11:434–447. <https://doi.org/10.4236/jwarp.2019.114026>

- 24) Rufai Ayuba, Moshood N. Tijani, Daniel Snow (2019): Hydrochemistry and stable isotopes (^{18}O and ^2H) characteristics of groundwater in Lokoja and its environs, central Nigeria. *Environmental Earth Sciences*, Vol. 78:581-595. <https://doi.org/10.1007/s12665-019-8582-8>
- 25) Tijani, M.N., Evue-Uzuazobona, O. and Ajibade, A.M. (2019): Impacts of Land-use Activities on Trace Metals Distributions in Urban Soils: A Case Study of Ibadan Metropolis, SW-Nigeria. *Journal of Mining and Geology*, Vol. 55(1): 91 – 108.
- 26) Abdullateef Lawal, Moshood N. Tijani and Matteo D'Alessio, (2020): Goelectrical characterisation of aquifers in Bauchi-Alkaleri-Kirfi geological transition zones, Northeast Nigeria. *Environmental Earth Sciences*,79:224. <https://doi.org/10.1007/s12665-020-08978-5>
- 27) Healy, A, K., Upton, S. Capstick, G, Bristow, M. Tijani, A. MacDonald, I. Goni, Y. Bukar, L. Whitmarsh, S. Theis, K. Danert and S. Allan. (2020): Domestic groundwater abstraction in Lagos, Nigeria: a disjuncture in the science-policy-practice interface? *Environ. Research Letters*, Vol. 15(4):045006; <https://doi.org/10.1088/1748-9326/ab7463>.
- 28) Iniemem J. Inim, Ndifreke I. Udosen, Moshood N. Tijani, Uduak E. Affiah and Nyakno J. George (2020): Time-lapse electrical resistivity investigation of seawater intrusion in coastal aquifer of Ibeno, South-eastern Nigeria. *Applied Water Science* (2020) 10:231-242. <https://doi.org/10.1007/s13201-020-01316-x>
- 29) Jamiu A. Aladejana, Robert M. Kalin, Ibrahim Hassan, Philippe Sentenac and Moshood N. Tijani (2020): Origin and Residence Time of Groundwater in the Shallow Coastal Aquifer of Eastern Dahomey Basin, Southwestern Nigeria, Using $\delta^{18}\text{O}$ and δD Isotopes. *Applied Sciences*, Vol.10 (22):7 980 <https://doi.org/10.3390/app10227980>
- 30) Abdullateef Lawal, Moshood N. Tijani, Matteo D'Alessio and Abubakar Sadiq Maigari (2021): Application of geographical information system to goelectrical data for evaluation of the vulnerability of aquifers in parts of Bauchi, North-eastern Nigeria. *Environmental Earth Sciences*, 80:16. <https://doi.org/10.1007/s12665-020-09308-5>
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- 33) Moshood N. Tijani, Nnamdi Obini and Iniemem J. Inim, (2021): Estimation of Aquifer Hydraulic Parameters and Protective Capacity in Basement Aquifer of South-Western Nigeria Using Geophysical Techniques. *Environmental Earth Sciences*, 80:466. <https://doi.org/10.1007/s12665-021-09759-4>
- 34) Ayuba R. and Tijani M. N. (2021): Hydrochemical Characterization of Groundwater in Lokoja, North-Central Nigeria. *Sustainable Water Resources Management* (SWAM). <https://www.springer.com/journal/40899>

XIII. EXPERIENCES IN COMPUTER APPLICATIONS

<i>Word Processing packages:</i>	MS-Word, WordPerfect
<i>Spread Sheet / Statistical packages:</i>	MS-Excel, SPSS and Origin
<i>Graphical / Plotting Packages:</i>	CorelDraw, Paint-Brush, Surfer etc
<i>Hydrogeological Packages:</i>	ModFlow, Aquachem, Rockware etc
<i>GIS package:</i>	ArcGIS and ArcView

XIV. FOREIGN LANGUAGES (Written and Spoken):

English and German (spoken and written)

XV. EXTRA-CURRICULAR ACTIVITIES

Reading, Travelling, Sight-seeing, Jogging and footballing.

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