

MODIBBO ADAMA UNIVERSITY OF TECHNOLOGY, YOLA

SCHOOL OF PURE AND APPLIED SCIENCES

DEPARTMENT OF GEOLOGY

CURRICULUM VITAE



1. PERSONAL DATA

NAME : ISHAKU, Jackson Makpane

DATE OF BIRTH: December 18, 1965.

MARITAL STATUS: Married.

NATIONALITY: Nigerian.

STATE OF ORIGIN: Adamawa.

LOCAL GOVERNMENT: Numan.

HOME TOWN: Numan.

HOME ADDRESS: c/o Mr Calvin Keegan Yusuf, P.O.Box 455 Numan Adamawa State.

RESIDENTIAL ADDRESS: Plot No. 35 Yelwa Street Army Barracks Road Yola.

CONTACT ADDRESS: Dept. of Geology, Modibbo Adama University of Technology,
P.M.B 2076 Yola, Adamawa State.

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CARRIER PROGRESSION

Appointed Graduate Assistant September 1991

Assistant Lecturer October 1992

Lecturer II October 1997

Lecturer I October 2000

Senior Lecturer October 2008

Associate Professor October 2011

CURRENT POSITION **Professor** (October 2014 to date)

AREA OF SPECIALIZATION Hydrogeology (water quality assessment and application of GIS in water resources, Evaluation of groundwater potentials in Sedimentary and Basement complex terrains)

INSTITUTIONS ATTENDED WITH DATES:

1. Sakato Government Secondary School, Numan 1979 – 1984.
2. College of Preliminary Studies, Yola 1985 – 1987.
3. University of Maiduguri 1987 – 1990
4. University of Nigeria, Nsukka 1992 – 1995
5. University of Nigeria, Nsukka 2003 – 2007

ACADEMIC QUALIFICATIONS.

- a. General Certificate of Education 1984
- b. IJMB (Advanced level) 1987
- c. B.Sc (Hons) Geology, Second class Honours (Upper Division) 1990
- d. M.Sc Geology (Hydrogeology) 1995
- e. Ph.D Geology (Hydrogeology) 2007

JOB EXPERIENCE

1. National Youth Service Corps (NYSC) with Brink Jones & Co Ltd, Ibadan, Oyo State 1990 – 1991
2. Federal University of Technology, Yola from 1991 to date (Now Modibbo Adama University of Technology, Yola)..
3. National Rural Water Supply (PTF) Taraba State from 1997 – 1999
 - Base line Survey.
 - Geophysical survey.
 - Supervision of Borehole drilling.
 - Borehole design.
 - Water quality analysis.
4. Hydrogeological Consultant Salbas Nig. Ltd, 13 Sir Kashim Ibrahim Way, Yola, 1993 to date
5. Sabbatical leave at Kogi State University, Anyigba from January 30th 2013 to 30th April, 2014

RESPONSIBILITIES HELD

i) Departmental

1. Head of Department (2016 to date)
2. Member departmental board.
3. Departmental post graduate coordinator.
4. Member Research/Linkage committee.
5. Member Welfare committee.
6. Chairman DTLC (2015 to date)

ii) School

1. School representative to School of Postgraduate Board from 2010 to 2012.

iii) University

1. Member Junior staff appraisal committee 2008/2009 appraisal year
2. Member on committee for the establishment of a central Science and Technology Laboratory 2010
3. Member staff disciplinary committee 2010
4. Member interaction committee 2011
5. Chairman monitoring committee on borehole drilling 2011
6. Chairman Task Force on campus water supply 2011 to 2012
7. Chairman Task Force on campus water supply 2016 to date

MEMBERSHIP OF LEARNED SOCIETIES

1. Member Nigerian Association of Hydro geologist (MNAH) 1992 to date
2. Member International Association of Hydro geologist (MIAH)
3. Member Nigerian Mining and Geosciences Society (MNMGS)

EXTERNAL/INTERNAL EXAMINER

- i) External/Internal examination (1 candidate PGD in Applied Geophysics, Department of physics) 2015
- ii) External Examiner for M.Sc Hydrogeology and Engineering Geology Programme, Department of Geology, University of Jos 2014 to date
- iii) External Examiner for M.Sc in Geophysics Programme, Department of Geology, University of Maiduguri 2016 to date
- iv) External Examiner for Undergraduate Programme, Department of Geology, Abubakar Tafawa Balewa University 2016 to date

EDITORIAL APPOINTMENTS

1. Member, Editorial Board, Peak Journal of Physical and Environmental Science Research (2013)

HOBBIES: Geologic travels, Games, Letter Writing.

LIST OF PUBLICATIONS

1. **Ishaku, J.M** and Ezeigbo, H.I (2000). Water quality of Yola area, northern Nigeria. WATER RESOURCES-Journal of the Nigerian Association of Hydrogeologists (NAH) Vol. 1, pp39- 48.
2. **Ishaku, J.M** and Ezeigbo, H.I (2000). On the Longevity of Boreholes/water wells in Yola area in northeastern Nigeria. WATER RESOURCES-Journal of the Nigerian Association of Hydrogeologists (NAH) Vol. 1, pp 49-54.
3. **Ishaku, J.M** and Matazu, I.H (2001). Evaluation of water resources in Numan area, northeastern Nigeria. Journal of Mining and Geology. Vol. 37 (2), pp 195-202.
4. **Ishaku, J.M** and Adekeye, J.I.D and S.S Negro (2002). The Hydrogeological and Geotechnical characteristics of Rock materials that aid gully erosion in Lassa Area of Borno State, northeast Nigeria. WATER RESOURCES-Journal of the Nigerian Association of Hydrogeologists (NAH) Vol. 13, pp 50-54
5. **Ishaku, J.M,** I.A. Kwada and H.M Maina (2002). Water quality assessment for enhanced rural water supply in Adamawa State, northeast Nigeria. Bagale Journal of Pure and Applied Sciences. Vol. 2 (2), pp 34-41.
6. **Ishaku, J.M,** I.A. Kwada and Adekeye, J.I.D (2003). An appraisal of groundwater resources potentials of the sedimentary rock aquifers in Taraba State, northeast Nigeria. WATER RESOURCES-Journal of the Nigerian Association of Hydrogeologists (NAH) Vol. 14, pp 42- 47.
7. Adekeye, J.I.D, **Ishaku, J.M** and I.A. Kwada (2004). Groundwater contamination in shallow aquifers of Jimeta metropolis, Adamawa State, N.E. Nigeria. Zuma Journal of Pure and Applied Sciences 6 (1), pp 150-159.
8. **Ishaku, J.M,** I.A. Kwada and Jika, G.M (2004). Hydrogeochemistry and water quality in Belel and environs, northeast Nigeria. Borno Journal of Geology Vol. 3 Nos 4 and 5, pp 50-54.
9. **Ishaku, J.M,** I.A. Kwada and Adekeye, J.I.D (2009). Hydrogeological characterization and water supply potential of basement aquifers in Taraba State, N.E. Nigeria. **Nature and Science** 7(3), pp 75-83.

10. **Ishaku, J.M** and Ezeigbo, H.I (2010). Seasonal Variation in Chromium hexavalent and Copper Contamination in Groundwater of Jimeta-Yola Area, Northeastern Nigeria. *Global Journal of Geological Sciences* Vol. 8, No. 2, pp 143-154.
11. **Ishaku, J.M** and Ezeigbo, H.I (2010). Groundwater quality monitoring in Jimeta-Yola area, Northeastern Nigeria. *WATER RESOURCES-Journal of the Nigerian Association of Hydrogeologists (NAH)* Vol. 20 (1), pp 143-154
12. **Ishaku, J.M** and A. Abdulhakeem (2010). Hydrogeochemical assessment of groundwater in Kaltungo and environs, Northeastern Nigeria. *Global Journal of Geological Sciences* Vol. 8, No. 2, pp 187-206.
13. Obiefuna, G.I., Adamolekun, S.S and **Ishaku, J.M** (2010). Determining potential areas of groundwater occurrences using remote sensing techniques: A case study of Mubi area, northeast Nigeria. *Continental J. of Applied Sciences* 5: 15-24.
14. **Ishaku, J.M**, U. Kaigama and N.R Onyeka (2010). Assessment of groundwater quality using factor analysis in Mararaba-Mubi area, Northeastern Nigeria. *Journal of Earth Sciences and Geotechnical Engineering*, vol. 1, no. 1, pp 9-33
15. **Ishaku, J.M**, E.W, Gadzama and U. Kaigama (2011). Evaluation of empirical formulae for the determination of hydraulic conductivity based on grain-size analysis. *Journal of Geology and Mining Research* Vol. 3(4), pp 105-113.
16. **Ishaku, J.M** (2011). Hydrochemical evolution of groundwater in Jimeta-Yola area, northeastern Nigeria. *Global Journal of Geological Sciences* Vol. 9, No. 1, pp 99-121.
17. **Ishaku, J.M**, G.I Obiefuna, and A. Al-Farisu. (2010). Determinations of Influence of Geology and Anthropogenic Activities on Water Quality in Fufore Area, Northeastern Nigeria. *Journal of Sciences and Multidisciplinary Research* Vol. 2, pp 135-155.
18. **Ishaku, J.M**, A.S, Ahmed and M.A Abubakar (2011). Assessment of groundwater quality using chemical indices and GIS mapping in Jada area, Northeastern Nigeria. *Journal of Earth Sciences and Geotechnical Engineering*, Vol. 1, no. 1, pp 35-60
19. **Ishaku, J.M** (2011). Assessment of groundwater quality index for Jimeta-Yola area, northeastern Nigeria. *Journal of Geology and Mining Research* Vol. 3(9), pp 219-231.
20. Nur, A., **J.M. Ishaku** and Bulus, J.A (2011). Application of Chemometric Techniques in Groundwater Quality Investigation in Angware Area, Jos North-Central Nigeria. *International Journal of Earth Sciences and Engineering*, Vol. 04, No. 6, pp 965- 972
21. **Ishaku, J.M** (2011). Characterization of Groundwater by Multivariate Statistical Analysis in Jimeta-Yola Area, Northeastern Nigeria. *International Journal of Physical Sciences*, volume 3, Number 2, pp 96-111

22. A. ABULHAKEEM, **J.M. ISHAKU** and A.S. AHMED (2011). Mapping of water quality index using GIS in Kaltungo, Northeastern Nigeria. *Journal of Environmental Sciences and Resource Management*. Volume 3, pp 94-106
23. **Ishaku, J.M** (2012). Investigation of Seasonal Variation of groundwater Quality in Jimeta-Yola Area, Northeastern Nigeria. *Global Journal of Geological Sciences* Vol. 10, pp 15-36
24. **Ishaku, J.M**, A.S, Ahmed and M.A Abubakar (2012). Assessment of groundwater quality using water quality index and GIS in Jada, northeastern Nigeria. *International Research Journal of Geology and Mining (IRJGM)* (2276-6618) Vol. 2 (3), pp 54-61.
25. Nur, A., **J.M. Ishaku** and Tayib, A. (2012). Spatial Distribution of Chemical Facies Using Geographical Information System (GIS) in Michika, Northeastern Nigeria. *Research Journal in Engineering and Applied Sciences* 1 (2) 102-109
26. **J.M. Ishaku**, Nur, A., and Bulus, J.A (2012). Mapping of groundwater Facies using anion Geochemistry in Angware area, Jos northcentral Nigeria. *Research Journal of Chemical Sciences* vol. 2(6), 21-29
27. Bassey, N.E and **Ishaku, J.M** (2012). Conjunctive use of magnetic and radiometric surveys for mapping of ferruginous sandstone horizons in Yola area, Nigeria. *Journal of Earth Sciences and Geotechnical Engineering*, vol. 2, no. 1, pp 39-51
28. Bassey, N.E, Abubakar, S.A and **Ishaku, J.M** (2012). Hill slope housing development in Vinikilang, Yola, Nigeria: A geo-disaster risk. *Journal of Earth Sciences and Geotechnical Engineering*, vol. 2, no. 1, pp 113-129
29. **Ishaku, J.M**, Nur. A and Matazu, H.I (2012). Interpretation of Groundwater Quality in Fufore, Northeastern Nigeria. *International Journal of Earth Sciences and Engineering*, volume 05, No. 3, pp 373-382
30. Nur, A., **J.M. Ishaku** and Yusuf, S.N (2012). Groundwater Flow patterns and Hydrochemical Facies Distribution Using Geographical Information System (GIS) in Damaturu, Northeast Nigeria. *International Journal of Geosciences*, 3, pp 1096-1106
31. Omali, A.O., Egboka, B.C.E and **Ishaku, J.M** (2013). Determination of Corrosion and Encrustation potentials of Groundwater Wells in Lokoja Area, Central Nigeria. *Research Journal in Engineering and Applied Sciences* 2 (4) 336-342
32. Akpah, F.A, **Ishaku J.M** and Ameh, E.G (2013). Statistical Investigation of Groundwater System in Itakpe, Kogi State. *Int. Res. J. Geo. and Min.* 3(8): 282-290
33. Alkali, S.C, **Ishaku, J.M**, Yusuf, S.N and Aisha, S (2013). Application of environmetric techniques on surface water and groundwater systems in Maiduguri metropolitan area, northeast Nigeria. *Peak Journal of Physical and Environmental Science Research* Vol. 1 (6), pp 87-94

34. Ankidawa, B.A, **Ishaku, J.M** and Mada, D.A (2015). Studies on the Seasonal Variation and Behaviour of Hydraulic head along River Benue Floodplain, Yola, Northeastern Nigeria. Research Journal of Applied Sciences, Engineering and Technology 11(11): 1280-1287
35. **Ishaku, J.M**, Ankidawa, B.A. and Abbo, A.M. (2015). Groundwater Quality and Hydrogeochemistry of Toungo Area, Adamawa State, North Eastern Nigeria. American Journal of Mining and Metallurgy, Vol. 3, No. 3, pp 63-73
36. **Ishaku, J.M**, Ankidawa, B.A. and Abbo, A.J.D Pwalas (2016). Evaluation of Groundwater Quality Using Multivariate Statistical Techniques, in Dashen Area, Northeastern Nigeria. British Journal of Applied Science & Technology 14 (16): pp 1-17
37. Kolawale, M.S, **Ishaku, J.M**, Daniel, A and Owunipa, O.D (2016). Lineament Mapping and Groundwater Occurrence within the Vicinity of Osara Dam, Itakpe-Okene area, North Central Nigeria, Using Landsat Data. Journal of Geosciences and Geomatics Vol 4, No.3, 42-52
38. Ankidawa, B.A, **Ishaku, J.M** and J.A Tanko (2015). Assessing the suitability of Hand Drilling Techniques for Abstracting Shallow Alluvial Aquifers along River Benue Floodplain, Yola North Eastern Nigeria, Volume 09, N0. 03, pp 1015-1022
39. Haruna, I.V., Ishaku J.M. and Mamman Y.D (2017). Background Geochemistry of Soil in part of Girei District, Upper Benue Trough, N.E. Nigeria. International Journal of Geosciences, 8, 888-901
40. Ishaku, J.M, Ankidawa, B.A and Bello, Y (2017). Hydrogeochemistry and Groundwater Quality Index in Hong and Environs, Adamawa State, North Eastern Nigeria. International Journal of Integrated Engineering, vol. 9 No. 3 pp 58-71
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