

## CURRICULUM VITAE

**Engr. PROF. ABUBAKAR ISMAIL**

**Date of Birth:** 25<sup>th</sup> January, 1966.

**Nationality:** Nigerian

**State of origin:** Kano State,

**Local Government:** Kano Municipal Council

**Marital Status:** Married (4 Children)

**Telephone Numbers:** 0803 317 6363, 0809 817 6363, 0802 872 5323, 0805 434 0323.

Email Addresses: [aismail@abu.edu.ng](mailto:aismail@abu.edu.ng), [abuismail1@gmail.com](mailto:abuismail1@gmail.com), [abuismail1@yahoo.com](mailto:abuismail1@yahoo.com)

### Academic Qualifications, Educational Institutions from where Obtained and Dates

	Qualifications	Educational Institutions	Date
a	Primary Sch. Leav. Cert.	Kurmawa Primary School	1972 - 1979
b	Gen. Certificate of Education	G. D.J. Sec. Sch, Gwammaja(II)	1979 - 1980
		Government College, Birnin Kudu	1980 – 1981
		Sci. Sec School, Dawakin Kudu	1981– 1984
c	I.J.M.B Statement of Result	Ahmadu Bello University, Zaria	1984 – 1985
D	B. Eng. (Water Resources & Env. Eng.).	Ahmadu Bello University, Zaria	1985 – 1989
E	N.Y.S.C. Certificate	Kaduna State (A.B.U, Zaria)	1989 – 1990
F	M.Sc. (Water Resources & Env. Eng.)	Ahmadu Bello University, Zaria	1990 – 1996
g	Ph.D (Water Resources & Env. Eng.)	Ahmadu Bello University, Zaria	1996 – 2005

### Registration with Professional Bodies:

- I. Registered Engineer with COREN (**COREN R.10, 672**);
- II. Member Nigerian Society of Engineers (**MNSE 12,839**)
- III. Society for Occupational Safety and Environment Health
- IV. National Water Supply Association (NWSA), Abuja
- V. Nigerian Association of Hydrological Sciences (N.A.H.S.)
- VI. Member American Society for Civil Engineers

### Other Training:

AutoCAD and WaterCAD, Epanet, OptiDesigner and OptiNetwork  
Computer Knowledge: Basic, FORTRAN, Pascal, Dbase, Word Perfect, Excel, Word,

## Work Experience

### 1). Ahmadu Bello University, Zaria

a	Graduate Assistant, Dept. of Water Res. and Env. Engineering, A.B.U Zaria, (NYSC)	Oct.1989–Sept1990
b	Assistant Lect., Dept. of Water Res. & Env. Eng., A.B.U, Zaria. Sept.	1990-Dec 1995
c	Lecturer II, Dept of Water Res. & Env. Eng., A.B.U, Zaria	Dec1995- April 2003
e	Lecturer I, Dept. of Water Res. & Env. Eng., A.B.U., Zaria.	April2003-Sept 2006
e	Senior Lect., Dept. of Water Res. & Env. Eng., A.B.U., Zaria.	Sept 2006 – Oct. 2009
f	Post Ph.D Exposure at National Programme for Food Security, Fed. Min. of Agric. & Water Resources, Mabushi, Abuja.	April 2007 - June 2007
g	Sabbatical Leave as Chief Engineer, National Programme for Food Security, Fed. Min. of Agric. & Water Resources, Mabushi, Abuja	Mar. 2008 - Mar. 2009
h	Reader, Dept. of Water Res. & Env. Eng., A.B.U., Zaria.	Oct. 2009 - Oct. 2012
i	Professor, Dept. of Water Res. & Env. Eng., A.B.U., Zaria.	Oct. 2012 - Date

### Positions Held With Dates:

S/N	Position	Date
a	Acting Head of Dept, Water Resources & Env. Eng	2005 – 2007
b	Member, Senate of Ahmadu Bello University, Zaria	2005 – 2007
c	Assistant Dean of Faculty of Engineering	2006 - 2007
d	Member, Post – Graduate School Board	2006 – 2007
e	Chairman Examination Malpractice Committee	2011- 2012
f	Head of Department, Water Resources & Env. Eng.	2014 – 2018
g	Deputy Dean Faculty of Engineering, A.B.U. Zaria	2014 – 2019
h	Dean, Faculty of Engineering, A.B.U. Zaria	2019 – To Date
i	Public Relation Officer for Committee of Deans of Engineering and Technology of Nigerian Universities (CODET)	2019 To Date

### Undergraduate and Postgraduate Teaching and Supervision:

Prof. Abubakar Ismail has been teaching both at undergraduate and postgraduate levels. He has supervised 70 undergraduates, 40 Master of Science and 15 PhD candidates.

## Journals and Conference Proceedings

- i) Abubakar, S. M., Yaro, S. A. and **Ismail, A.** (2003). Trace Metal Levels in Irrigation Water and Soils of Kaduna River Basin, Nigeria, *Zuma Journal of Pure and Applied Sciences*, ISSN 1119-6548, Volume 5 No. 2, 52 – 56, Faculty of Science University of Abuja.
- ii) Abubakar, S. M., Sallau, M. S. and **Ismail, A.** (2003). Metallic Ions in Asa River and Reservoir, Ilorin Nigeria, *Zuma Journal of Pure and Applied Sciences*, ISSN 1119-6548, Volume 5 No. 2, 46 – 51, Faculty of Science University of Abuja..
- iii) **Ismail, A.** and D. B. Adie (2003). Stormwater Hydrograph Characteristics for Semi-Urban Watershed, *Nigerian Journal of Engineering*, ISSN 0794-4756, Vol. 11, No.2, 45-50, Faculty of Engineering, A.B.U., Zaria.
- iv) Adie, D.B., Otun, J.A., **Ismail, A.** and Ajibike, M.A.(2006). “Application of BOD-DO Model to Samaru Stream”, *Nigeria Journal of Engineering*, Vol. 13 [1], 52-60. ISSN 0794-4756, Faculty of Engineering, A.B.U., Zaria.
- iii) Oke, I.A., Otun, J.A., Olarinoye, N.O. and **Ismail, A.** (2006). Utilization of a Mathematical Analysis in Sizing a Biological Treatment Plant, *Research Journal of Agriculture and Biological Sciences*, 2(4): (July) 142-146, [www.aensionline.com/rjabs/rjabs\\_july\\_2006.html](http://www.aensionline.com/rjabs/rjabs_july_2006.html)
- iv) Oke, I.A., Otun, J.A., Olarinoye, N.O. and **Ismail, A.** (2006). A detailed Statistical Assessment of Methods for Nitrification Parameter, *Research Journal of Agriculture and Biological Sciences*, 2(3): (May) 109-114, [www.aensionline.com/rjabs/rjabs\\_may\\_2006.html](http://www.aensionline.com/rjabs/rjabs_may_2006.html)
- v) Giwa, A., Ajibike, M. A., and **Ismail, A.** (2007). Potentials of Calcium Hydroxide and Ferrous Sulphate in the Treatment of Textile Wastewater, *African Journal of Natural Sciences*, ISSN 1119-1104, Volume 10, 25-28.
- vi) Igboro, S.B., Okuofu, C.A., **Ismail, A.**, Otun, J.A., and Nwude, M.O. (2007). Evaluation of Small Town Water Supply and Sanitation Programme in Niger State, Nigeria, *Water Resources Journal*, 17, 3942. Published by Nigerian Association of Hydrogeologist (NAH).
- vii) **Ismail, A.**, Adie D.B., Oke, I.A., Otun, J.A., Olarinoye, N.O., Lukman, S., and Okuofu, C.A., (2009). Adsorption Kinetics of Cadmium Ions Onto Powdered Corn Cobs, *The Canadian Journal of Chemical Engineering*, Volume 87(6); 896 909. <http://www3.interscience.wiley.com/journal/123191122/abstract>

- viii) Otun, J.A., and Lukman S., **Ismail, A.**, Adie, D.B., and Abubakar, U.A. (2009): Evaluation and Improvement Design of the Sanitary Sewerage System at Ahmadu Bello University Zaria, *Nigerian Journal of Engineering*, Vol. 16, No. 1. 200-215. ISSN 0794-4756 Published by Faculty of Engineering, A.B.U., Zaria.
- ix) Oke, I.A., Babatola, J.O., Oladepo, K.T., Otun, J.A., Adie, D.B., Lukman, S., Olarinoye, N.O., and **Ismail, A.** (2010). Electrochemical Techniques for Decolouration Aqueous Solutions, *Ife Journal of Technology*, Vol. 19(1), 15-24, ISSN 1115-9782. <http://oauife.edu.ng/journals/ijt/index.htm> Faculty of Technology, Obafemi Awolowo University, Ile-Ife.
- x) Adie, D.B., Olarinoye, N.O., Oke, I.A., **Ismail, A.**, Lukman, S. and Otun, J.A. (2010). Removal of lead Ions from Aqueous Solutions Using Powered Corn Cobs, *Canadian Journal of Chemical Engineering*, 88(2), 241-255. <http://www3.interscience.wiley.com/journal/123316126/abstract> Published by Canadian Society for Chemical Engineering.
- xi) Ibrahim, F.B., Otun, J.A., **Ismail, A.** and Okuofu, C.A. (2011), Treatability of Zaria Abattoir Wastewater by means of Immobilized Cells of *Aspergillus Niger*, *Biological and Environmental Science Journal for the Tropics*, 8(2), 157 – 162. ISSN 0794-9057, Bayero University, Kano.
- xii) Lukman, S., Otun, J.A., Adie, D.B., **Ismail, A.** and Oke, I.A. (2011). A brief Assessment of a Dam and it's Failure Prevention, *Journal of Failure Analysis and Prevention*, 11(2): 97 – 109 (<http://www.springerlink.com/content/12427w5512075/>).
- xiii) **Ismail, A.** and Oke, I.A. (2012). Trend Analysis of Precipitation in Birnin Kebbi, Nigeria, *International Research Journal of Agricultural Sciences and Soil Science*, ISSN: 2251-0044, Vol. (2) 7, 286-297, <http://www.intersjournals.org/IRJAS> .
- xiv) **Ismail, A.** and Oke, I.A. (2012). Changed Rainfall Pattern and it's Influenced Adaptation by Farmers in Northwest Nigeria, *International Research Journal of Plant Science*, ISSN: 2141-5447, Vol. 3(6). <http://www.intersjournals.org/IRJAS>.
- xv) **Ismail, A.** and Oke, I.A. (2012). Statistical and Trend Analyses of Rainfall in Sokoto, *International Research Journal of Engineering Science*, Vol. 1(6), pp. 161-174. <http://www.intersjournals.org/IRJESTI>

- xvi) Lukman, S, **Ismail, A.**, Ibrahim, A., Saulawa, B.S. (2012). Development, Utilization and Statistical Evaluation of Hardy Cross Pipe Network Analysis Software. *International Journal of Water Resources and Environmental Engineering*. ISSN: 1991-637X, Vol. 4(8), 252 – 262.
- xvii) Saulawa, B.S., Okuofu, C.A., **Ismail, A.**, Adie, D.B., Otun, J.A., Yakasai, I.A. (2012). Extension of Moringa Oleifera Seed Aqueous Extract Shelf Life Using Trona as a Preservative. *Journal of Water Sanitation and Hygiene for Development*. WASHDEV-D-11-00053R1.
- xviii) Haruna Garba, **Ismail, A.** F.O.P.Oriola (2013): Calibration of Hydrognomon Model for Simulating the Hydrology of Urban Catchment. *Scientific Research Open Journal of Modern Hydrology*, Vol. 3 pp 75 – 78.
- xix) Saminu, A., **Ismail, A.**, Nasiru, I., Sagir, L. (2013): Design of NDA Water Distribution Network Using Epanet. *International Journal of Emerging Science and Engineering*, ISSN: 2319-6378, Volume 1, Issue-9 July 2013.
- xx) Abdullahi, I., **Ismail, A.**, Tsoho, U., Rabi'a L.B. (2013): Development of Effective Water Supply Model for Kaduna Metropolis Using Unguwar Kanawa as Case Study. *International Journal of Engineering Science & Research Technology*. ISSN: 2277-9655. Vol 2(7), pp 1802-1811.
- xxi) Saminu, A., **Ismail, A.**, Rabi'a L., Abdullahi, I. (2013): Analysis of Existing Distribution Network, A case study of Badarawa / Malali Distribution Network. *International Journal of Engineering Science & Research Technology*. ISSN: 2277-9655. Vol 2(7), pp 1713-1728.
- xxii) Haruna Garba, **Ismail, A.**, Tsoho Usman (2013): Fitting Probability Distribution Variability of River Kaduna. *International Journal of Modern Engineering Research*, ISSN: 2249-6645, Vol. 3. Issue 5. pp 2719 -2727.
- xxiii) Saminu, A., **Ismail, A.**, Tsoho, U. and Abdullahi, I. (2013): Optimization of Badarawa / Malali Water Distribution Network Using Genetics Algorithm, *International Journal of Engineering Science & Research Technology*. ISSN: 2277-9655. Vol 2(12), pp 3589-3598.

(c). **Peer-Reviewed Conference Proceedings:**

- i) Otun, J.A., Adie, D.B., Oke, I.A., **Ismail, A.**, and Ajibike, M.A., (2006). Status of Conventional Wastewater Treatment plants in Northern Nigeria. *Proceeding of 3<sup>rd</sup> National Conference of Society for Occupational Safety and Environmental Health*, Nnamdi Azikiwe University, Awka, pp 33-38.
- ii) Adie, D.B., Otun, J.A., **Ismail, A.**, and Abdulmumuni, A. (2008): Water Quality of Treatment Plants in Zamfara State. *Proceeding of 4<sup>th</sup> National Conference of Society for Occupational Safety and Environmental Health*, pp. 47 – 51.
- iii) Adie D.B., Awuse T., **Ismail, A.**, Abubakar U.A. (2008): Comparative Analysis of Corrosivity in Samaru Borehole Waters Proceeding of the 25<sup>th</sup> Nigerian Metallurgical Society, pp.
- iv) Oke, I.A., Adie D.B., Otun, J.A., Olarinoye, A.O., Afon, A.O., Asani, M.A. Lukman, S. and **Ismail, A.** (2009): Kinetics of Adsorption of Lead onto low Cost Adsorbents: Comparison of Linear and Non-Linear Regression Methods, Proceedings of the 1<sup>st</sup> National conference, Faculty of Technology, Obafemi Awolowo University, Ile-Ife, pp 129 – 138.
- v) Lukman, S., Otun, J.A., **Ismail, A.**, Okuofu, C.A., Oke, I.A., Musa, I.J. and Adie, D.B., (2009). Assessment of an Institutional Sanitary Sewerage System, *Proceedings of the 5<sup>th</sup> National Conference of the Society for Occupational Safety and Environmental Health (SOSEH)*, Main Auditorium, Nnamdi Azikiwe University, Awka, Anambra State, Nigeria, 11<sup>th</sup> – 14<sup>th</sup> November, pp. 78 – 85.
- vi) Lukman, S., Otun, J.A., **Ismail, A.**, Adie, D.B., Oke, I.A. and Abubakar, U.A. (2009). Application of Traditional & Modern Approaches to Waste Stabilization Pond Modelling & Design, *Proceedings of 5<sup>th</sup> National Conference of the Society for Occupational Safety and Environmental Health (SOSEH)*, Main Auditorium, Nnamdi Azikiwe University, Awka, Anambra State, Nigeria, 11<sup>th</sup> – 14<sup>th</sup> November, pp. 23 – 28.
- vii) Oke, I.A., Babatola J.O. Oladefo, K.T. , Otun J.A. , Adie D.B.,Lukman S.. Olaril N.O. A.O. and Ismail A. (2010): Electrochemical Techniques for Decolouring Aqueous Solutions, Proceeding of Faculty of Technology International Conference, Obafemi Awolowo University, Ile-Ife, 5<sup>th</sup> to 9<sup>th</sup> September, pp 258-269.

- viii) Igboru, S. B., Adie, D. B., Okuofu, C. A., and **Ismail, A.** (2011): Biogas (an alternative source of energy) and organic fertilizer from Abattoir waste. Presented at the *7<sup>th</sup> Annual National Conference of the Society for Occupational Safety and Environmental Health*, held at University of Abuja. 19<sup>th</sup> November, pp.3
  
- ix) Shaibu-Imodagbe, E. M., Okuofu, C. A., **Ismail, A.**, and Otun, J. A. (2011): How Safe is our Municipal Drinking Water Supply? Presented at the *7<sup>th</sup> Annual National Conference of the Society for Occupational Safety and Environmental Health*, held at University of Abuja. 19<sup>th</sup> November, pp.31
  
- x) Saulawa, B. S., Okuofu, C. A., **Ismail, A.**, Otun, J. A., Adie, D. B. and Yakasai, I. A. (2011). Effect of Deterioration on the Turbidity Removal Potentials of *Moringa Oleifera* Seed Extract". Presented at the *7<sup>th</sup> Annual National Conference of the Society for Occupational Safety and Environmental Health*, held at University of Abuja. 19<sup>th</sup> November, pp.37
  
- xi) Ismaila S.M., Adie D.B. , Okuofu C.A. and **Ismail, A.** (2012): Modelling of Water Quality of Bindare Stream Zaria – Nigeria Using Mat-Lab. Proceeding of Faculty of Technology Conference O.A.U. Ile –Ife. pp. 91 – 99.
  
- xii) Adie D.B., Uloko M.A. , **Ismail, A.** and Saulawa B.S. (2012): Design and Fabrication of an Electronically Controlled Sampler. Book of Readings 3<sup>rd</sup> National Water Conference, University of Ilorin, pp 220 – 223.
  
- xiii) Oke, I.A. and **Ismail, A.** (2013): Statistical and fuzzy models of Annual Rainfall in North-West Nigeria. 5<sup>th</sup> International Conference on Water Resources and Sustainable Development, 24<sup>th</sup> – 25<sup>th</sup> February, 2013, Algeria. pp
  
- xiv) **Ismail A.** and OKE, I. A. (2013): Trend Analyses of Precipitation in Kano, Nigeria. 6<sup>th</sup> Annual Conference on the Environmental jointly organized by The Institute of Ecology and Environmental Studies, Obafemi Awolowo University, Ile-Ife and The National Park Service, Abuja held at NACETEM, Ile-Ife , 25- 27<sup>th</sup> June, 2013. Pp 98 – 114.

**(d) Articles Published in Books**

- i) Oke, I.A., Otun, J.A., Adie, D.B., Asani, M.A., Lukman, S. and **Ismail, A.** (2010). Characterization and Management of Medical Solid Wastes from Selected

Private Hospitals in Ile-Ife, Nigeria. In: *Solid Waste Management and Environmental Remediation*. ISBN: 978-1-60741-761-3, Editors: Timo Faerber and Johann Herzog, Nova Science Publishers, Inc. New York, Chapter 7, pp. 279 – 314.

- ii) Adie, D.B., Oke, I.A., Lukman, S. and **Ismail, A.** (2011). An Overview on Environmental Pollution Problems in Local Government: Air Pollution and It's Control, In: *Local Government*, Editor: Jeremy F. Ritter, Nova Science Publishers, Inc. New York. Chapter 5: 137-168
- iii) Oke, I.A., Asani, M.A., **Ismail, A.**, Odetola, A.A., Olutunji, S.A. and Ayangade, J.A. (2011). Literature Review On Local Government in Nigeria – Part B: *Local Reforms and Autonomy*. Editor: Jeremy F. Ritter, Nova Science Publishers, Inc. New York. Chapter 7: 193-210
- iv) Olarinoye, N.O., Lukman, S., Otun, J.A., Adie, D.B., Oke, I.A., Igboro, S.B., Ternilola, F.O., **Ismail, A** (2012). Multi-Component Adsorption Equilibria of  $PB^{2+}$  and  $CD^{2+}$  onto Powered Corn Cobs (PCC), In: *Water Treatment Processes*, Editor: Kostas Demadis, ISBN: 978-1-62100-352-6, Nova Sciences Publisher, Inc. Chapter 11, pp. 269 – 298.
- v) Oke, I.A., Otun, J.A., Adie, B.D., Lukman, S., Ojo, O.S., Igboro, S.B., **Ismail, A.** (2012). Statistical Treatments of Non-Linear Regression Method with BOD Kinetics' wastewater Treatment Techniques; In: *Water Treatment Processes*, Editor: Kostas Demadis, ISBN: 978-1-62100-352-6, Nova Sciences Publisher, Inc. Chapter 19, pp. 465-476.
- vi) Oke, I.A. and **Ismail, A.** (2012). Dams and Water Supply Systems in Nigeria. Chapter 11, pp 279 to 291, *Nova Science Publishers*, Inc. New York.
- vii) **Ismail, A.** and Oke, I.A. (2012). Assessment of Water Quality in Selected Dams in Nigeria, Chapter 12, pp 293 to 311, *Nova Science Publishers*, Inc. New York.

**(e) Technical Reports**

- i) **Ismail, A.** and Tauheed A. (1998): Review of Consultants reports on National Rural Water Supply Programme under the Petroleum Trust Fund (1998).
- ii) **Ismail, A.** (2002): Post Graduate Experience submitted to Nigerian Society of Engineers.



- iii) **Ismail, A.** (2004): Technical Report on my practical experience submitted to Council for the regulation of Engineering Profession in Nigeria.
- iv) Otun, J.A., **Ismail, A.** and Osinubi, K.J. (2005). Technical Report on Engineering Design of Water Supply and Sewerage Systems for Aviation Village, FCT Abuja, submitted to Ahmadu Bello University Consultancy (ABUCONS) Nigeria Limited and Federal Capital Development Authority, Abuja.
- v) **Ismail, A.** (Member of Technical Committee) (2007). Establishment of Nigerian Standard for Drinking Water Quality. Published by *Standard Organisation of Nigeria*, ICS13.060.20, Corporate Head Quarters, Wuse II, Abuja.
- vi) **Ismail, A.** (2007): Technical Report on the Supervision of the Rehabilitation of ten micro-earth dams in Gombe State, submitted to Federal Ministry of Agriculture and Water Resources, Abuja.
- vii) **Ismail, A.** (2008): Technical and Financial Evaluation Report of the Study and Design of 30 number new micro-earth dams and rehabilitation of 40 number micro-earth dams in Kaduna, Katsina, Ogun and Oyo States, submitted to Federal Ministry of Agriculture and Water Resources, Abuja.

**(e) Papers Presented at Conferences**

- i). **Ismail, A.** and Babatola J.O. (1991). Water Resources Development, Utilisation and Management For Rural Water Supply in Nigeria. *4<sup>th</sup> National Water Resources Conference*, 17<sup>th</sup> – 20<sup>th</sup> November 1991.
- ii). Babatola J. O. and **Ismail, A.** (1991). Multi-Objective Approach to National Water Resources Planning and Management, *4<sup>th</sup> National Water Resources Conference*, 17<sup>th</sup> – 20<sup>th</sup> November, 1991.
- iii) Abubakar, S.M. and **Ismail, A.** (1994). A Comprehensive Approach to Reservoir Sedimentation in Northern Nigeria. *Proceedings of the Second Biennial UNESCO – HP Hydrology Symposium*, National Water Resources Institute, Kaduna 4<sup>th</sup> – 7<sup>th</sup> July 1994. pp 7 – 23.
- iv) Otun, J.A., Adie, D.B., Ajibike, M.A., and **Ismail, A.** (2003). Institutional issues on hydrological data handling and management in river basins authorities in Nigeria, a paper presented at the *Annual Conference of Nigerian Association of*

- v) Otun, J.A., Ajibike, M.A., Adie, D.B. and **Ismail, A.** (2004). Towards effective handling of NIGERIA-SAT-1 data for flood and drought management in Nigeria, a paper presented at the *International Conference on Nigeria-SAT-ONE, A new tool for Economic Empowerment*, organized by the Nigerian Union of Planetary and Radio Sciences (NUPRS) in collaboration with the International union of Geodesy and Geophysics (IUGG), at the University of Lagos, August, 2004.
- vi) **Ismail, A.**, and Otun, J.A., (2006). Operation & Maintenance of Dams and Reservoir; Case Study of ABU-Kubanni Dam and Reservoir”, a paper delivered at a *Training workshop on Operation and Maintenance of Dams and Reservoir*, at the National Water Resources Institute, Mando, Kaduna, July, 2006.
- vii) **Ismail, A.**, and Otun, J.A., (2006). Pursuit of and Contribution to Achieving the MDGs in Nigeria by the Department of Water Resources & Environmental Engineering, Ahmadu Bello University, Zaria, a paper delivered at the *1<sup>st</sup> National Water and Sanitation Forum*, at the Sheraton and Towers Hotel, Abuja, Organized by Federal Ministry of Water Resources, Abuja., August, 2006.
- viii) Otun, J.A, Adie, D.B., Oke, I.A, **Ismail, A.** and Ajibike, M.A. (2006): Status of conventional Wastewater treatment plants in Northern Nigeria. *Proceedings of the 3<sup>rd</sup> National Conference of Society for Occupational Safety and Environmental Health*, Nnamdi Azikiwe University, Awka. pp. 33 – 38.
- ix) Adie, D.B, Otun, J.A, **Ismail, A.** and Abdulmumuni, A. (2008): Water quality of treatment plants in Zamfara State. *Proceedings of the 4<sup>th</sup> National Conference of Society for Occupational Safety and Environmental Health*, Pg. 47 – 51.
- x) Adie D.B., Awuse T., **Ismail, A.**, Abubakar U.A. (2008): Comparative Analysis of Corrosivity in Samaru Borehole Waters Proceeding of the 25<sup>th</sup> Nigerian Metallurgical Society, pp
- xi) Oke, I.A., Adie D.B., Otun, J.A., Olarinoye, A.O., Afon, A.O., Asani, M.A. Lukman, S. and **Ismail, A.** (2009): Kinetics of Adsorption of Lead onto low Cost Adsorbents: Comparison of Linear and Non-Linear Regression Methods,

Proceedings of the 1<sup>st</sup> National conference, Faculty of Technology, Obafemi Awolowo University, Ile-Ife, pp 129 – 138.

- xii) Lukman, S., Otun, J.A., **Ismail, A.**, Okuofu, C.A., Oke, I.A., Musa, I.J. and Adie, D.B., (2009). Assessment of an Institutional Sanitary Sewerage System, *Proceedings of the 5<sup>th</sup> National Conference of the Society for Occupational Safety and Environmental Health (SOSEH)*, Main Auditorium, Nnamdi Azikiwe University, Awka, Anambra State, Nigeria, 11<sup>th</sup> – 14<sup>th</sup> November, pp. 78 – 85.
  
- xiii) Igboro, S. B., Adie, D. B., Okuofu, C. A., and **Ismail, A.** (2011): Biogas (an alternative source of energy) and organic fertilizer from abattoir waste. Presented at the *7<sup>th</sup> Annual National Conference of the Society for Occupational Safety and Environmental Health*, held at University of Abuja. 19<sup>th</sup> November, pp.3
  
- xiv) Shaibu-Imodagbe, E. M., Okuofu, C. A., **Ismail, A.**, and Otun, J. A. (2011): How Safe is our Municipal Drinking Water Supply? Presented at the *7<sup>th</sup> Annual National Conference of the Society for Occupational Safety and Environmental Health*, held at University of Abuja. 19<sup>th</sup> November, pp.31
  
- xv) Saulawa. B. S, Okuofu, C. A., **Ismail, A.**, Otun J. A., Adie D. B. and, Yakasai I. A. (2011). Effect of Deterioration on the Turbidity Removal Potentials of *Moringa oleifera* Seed Extract. Presented at the *7<sup>th</sup> Annual National Conference of the Society for Occupational Safety and Environmental Health*, held at University of Abuja. 19<sup>th</sup> November, pp.37.
  
- xvi) **Ismail A.**, Ibrahim F.B. and Barde G.A (2012): Assessment of Flouride Concentrations in samples of drinking water in Samaru-Zaria. Chemical Society of Nigeria (Zaria Chapter) 10 Annual ChemClass Conference, Zaria Nigeria.
  
- xvii) Oke, I.A. and **Ismail, A.** (2013): Statistical and fuzzy models of Annual Rainfall in North-West Nigeria. 5<sup>th</sup> International Conference on Water Resources and Sustainable Development, 24<sup>th</sup> – 25<sup>th</sup> February, 2013, Algeria

- xvii) **Ismail A.** and OKE, I. A. (2013): Trend Analyses of Precipitation in Kano, Nigeria. 6<sup>th</sup> Annual Conference on the Environmental jointly organized by The Institute of Ecology and Environmental Studies, Obafemi Awolowo University, Ile-Ife and The National Park Service, Abuja held at NACETEM, Ile-Ife , 25- 27<sup>th</sup> June, 2013.
- xviii) **Ismail A.** and OKE, I. A. Statistical Evaluation of Methods for Surface Water Profile Determination. Annual Conference of the Nigerian Mathematical Society held in Obafemi Awolowo University, Ile-Ife between 25<sup>th</sup> and 28<sup>th</sup> June 2013. Page 93.

**International Conference Attended / Organized With Dates:**

- i). An International Training on Project Leadership and Team Building organized by Supreme Management Training and Consultant Services Limited at Banjul Gambia January 2011.
- ii). Conference on the Assessment of Future Energy Systems (CAFES) University of Calgary, Canada November, 2011.
- iii). Conference on Water Science, Policy and Governance In Africa, Dar Es Salaam, Tanzania, April 2012.
- iv). 1<sup>st</sup> International Microfinance Investors Conference, “Enhancing Access to Finance for Nigeria’s Microfinance Sector (Micro Earth Dams, Rural Road, Small Irrigation Schemes and Agricultural Enterprises)”. Nicon Luxury Hotel, Abuja.

**Local Conferences Attended / Organised With Dates:**

- i). Nigerian Association of Hydrogeologist (NAH), 4<sup>th</sup> Annual Conference, State Library Complex, Calabar, Cross River State, 17<sup>th</sup> – 20<sup>th</sup> November, 1991.
- ii). National Symposium on Water Resources and Rural Development, Kano State House of Assembly, 5<sup>th</sup> – 11<sup>th</sup> June, 1994.
- xxiv) First Nigerian Association of Hydrological Sciences (NAHS), Federal University of Technology, Yola, 2<sup>nd</sup> – 4<sup>th</sup> December, 2003.
- xxv) International Conference on Nigeria-SAT-ONE, A new tool for Economic Empowerment, organized by the Nigerian Union of Planetary and Radio Sciences (NUPRS) in collaboration with the International union of Geodesy and Geophysics (IUGG), at the University of Lagos, August, 2004.
- v) Participant at the A.B.U. –UNICEF workshop on children and women’s right: a wake-up call, 20<sup>th</sup> – 21<sup>st</sup> August, 2005
- vi) Participant at the Teachers Registration Council – Institute of Education Workshop on sensitization on teacher’s registration for academic staff of tertiary institutions in Northern States, 17<sup>th</sup> November, 2005.
- vii) Attended the A.B.U. / Macarthur Foundation Seminar (Management of Higher Education) in Kongo Conference Hotel, Zaria, 17<sup>th</sup> to 20<sup>th</sup> May, 2005.

- viii) Attended a Workshop on Budgeting and Budgetary procedure in A.B.U. Zaria, 16<sup>th</sup> February, 2006.
- ix) PTDF / A.B.U. Conference on “Zeolite Science and Technology in Nigeria” held at Kongo Conference Hotel, Zaria, July, 2006.
- x) Training workshop on Operation and Maintenance of Dams and Reservoir, at the National Water Resources Institute, Mando, Kaduna., July, 2006.
- xi) 1<sup>st</sup> National Water and Sanitation Forum, at the Sheraton and Towers Hotel, Abuja, Organized by Federal Ministry of Water Resources, Abuja, August, 2006.
- xii) Educational Trust Fund Capacity Building Workshop for Lecturers of Universities in Nigeria, 2006 at Ahmadu Bello University, Zaria
- xiii) National Project Implementation Workshop conducted in Abuja September, 2008 organised by The African Development Institute of The African Development Bank Group.
- xiv) 7<sup>th</sup> Annual National Conference of the Society for Occupational Safety and Environmental Health, Abuja November, 2011.
- xv) 10<sup>th</sup> Annual Chemclass Conference “Theme Renewable Energy and the Achievements of MDG 7.” Ahmadu Bello University, Zaria, June 2012.
- xvi) Workshop on Programme Implementation Review with the Donor Supported Agricultural Development Projects / Programmes & IFAD Country Programme Management. “Extended Programme on National Programme for Food Security”, Organized by Federal Ministry of Agriculture at Port Harcourt April, 2012.

### **Community Services:**

#### **(a) National / State**

- i). National Youth Corps Service, Kaduna State 1990
- ii). Member, Zamfara State Intergraded Development Programme 2005 - 2007
- iii). Participate Actively in Operation Keep Samaru Town Clean 2005 – 2007
- iv) Member, National Stakeholders Workshop on Establishment of Nigerian Standard for Drinking Water Quality (2006 – 2007).
- v). External Examiner, Department of Agricultural Engineering, Kaduna Polytechnic (2006 – 2009).
- vi) Chairman on Kano State Administrative Panel on Contract Review (Nov. 2011 – May 2012).
- i) Board Member National Water Resources Institute, Mando Kaduna Representative of Ahmadu Bello University, Zaria, (2018 to Date )

#### **(b) External Examiner to the following Institution/University:**

- (i) Kaduna Polytechnics, Kaduna
- (ii) Bayero University, Kano
- (iii) Kano State University of Technology, Wudil

- (iv) Federal University of Technology, Minna
- (v) Nigerian Defence Academy, Kaduna
- (vi) University of Agriculture, Makurdi
- (vii) University of Maiduguri

**(c) Resource person for the following Organisations:**

- (i) National Board for Technical Education
- (ii) National Universities Commission
- (iii) Council for the Regulation of Engineering in Nigeria

**(d) Others**

- (i) Member, Committee on Resort Centre around the University Dam and Children's Parks in Residential Areas (2006)
- (ii) Patron, NAWREES, Student Association WREE Department ABU Zaria 2009 – Date
- (iii) Patron, Muslim Engineering & Technology Student (NAMETS) ABU Zaria 2009 – Date

## **2). Professional Experience**

### **Directorate of Council Affairs, Jigawa State (2017)**

Participated in Supervision of the Construction of Kila -Budinga -Rambazau-Tsangarwa -Nahuce -Isawa -Maruta -Jikas -Zandam Nagogo Road (48Km) under Woodhill Engineering Nigeria Limited.

### **Federal Ministry of Water Resources (2016)**

Rapid Technical Audit of the Bagwai Irrigation Project under the Federal Ministry of Water Resources Dams, Irrigation and Drainage Projects under Diyam Consultants.

### **Jigawa State Ministry of Works and Transport (2013)**

Participated in Supervision of Rehabilitation of Kazaure-Roni-Takwardaw Road (28Km) under Woodhill Engineering Nigeria Limited.

### **National Programme for Food Security (NPFS)(2007)**

Project Desk officer for Design and Construction Supervision of 70 Nos. Micro-earth dams

Location: (Kaduna, Katsina, Ogun, and Oyo)

Client: Federal Ministry of Agriculture and Rural Development, in collaboration with FAO / UN

Project Desk officer for Design and Construction Supervision of 15 Nos. Micro-earth dams

Location: North East Zone (Borno, Yobe, Gombe, Adamawa, and Taraba)

Client: Federal Ministry of Agriculture and Rural Development, in collaboration with FAO / UN

**Zamfara State Integrated Development Programme(2004)**

Participated in the Design of Semi-Urban Water Distribution Network and Zamfara State

**Lower Benue River Basin Development Authority (2002)**

Participated in Consultancy for the Design of Nassarawa Earthfill Dam

Location: Nassarawa State under Multidesign Consultants, No. 40 Isa Kaita Road, Unguwar Sarki, Kaduna.

**Federal Capital Development Authority, Abuja (2001)**

Consultancy on infrastructure Development (Design of Water Distribution Network) Aviation Village Infrastructure Development, under ABUCONS Nigeria Limited.

**Katsina State Government (1999)**

**Name of Project:** Water Resources Master Plan Update, Consultancy on Water Resources Master Plan ( Dams and Reservoirs ), under Afri-Projects Consortium

Location: Katsina State

**Afri Projects Consortium, Abuja (1998-1999)**

**Senior Engineer** – as a Senior Engineer with the firm, he participated actively in executing the following projects:

**Urban, Semi-Urban and Regional Water Supply Schemes:**

Actively participated in the preliminary survey and preparation of project briefs and terms of reference for the PTF water projects

- Okene Water Supply Project
- Nasarawa Water Supply Project
- Jalingo Water Supply Project
- Potiskum Water Supply Project
- Abiriba Water Supply Project
- Jimeta/Yola Water Supply Project

**Assistant Consultant**-Participated in the Evaluation of PTF Consultants' technical and financial proposals, review of their reports and findings.

Assisted in the coordination and Implementation of 27 PTF Urban Water Supply Projects in the country.

**National Rural Water Supply Programme:**

- (i) Participated in the review of the Baseline Survey reports, contract packaging and preparation of contract documents for the 5,580 boreholes schemes spread nationwide.
- (ii) Assisted the Desk Officer in the review of progress reports, interim valuation and preparation of certificates for settlement of interim claims.

**ABUCONS Nigeria Limited: (1991 – to date)**

**Consultant**

- ii) As an Engineer/Lecturer with the Department of Water Resources and Environmental Engineering, I was involved in feasibility studies of ten minor irrigation sites in Borno State.,(1991)
- iii) Inspection of existing water supply scheme, estimation of water demand, variation in water demands, analysis of the distribution network, recommendations for the improvement and expansion of the system at NAPRI Water Supply (ABU) Project.

**Project Engineer:**

Construction and supervision of 2,600 Washbore holes for Bauchi State Water Development Programme, Feb-October 1996, under Q & S Nigeria Limited

**Hobbies:** Reading, Chess, Table Tennis, Scrabble.

**Names and Addresses of Three Referees**

1. Prof. Sadik Zubairu Abubakar  
Deputy Vice Chancellor Administration,  
Ahmadu Bello University, Zaria.  
0803 506 6982
2. Prof. Muhammad. Dauda  
Provost Airforce Institute of Technology,  
Mando Kaduna  
0706 443 6030
3. Prof. Shehu Aliyu Yaro  
Department of Metallurgical and Materials Engineering,  
Ahmadu Bello University, Zaria  
0803 589 2146