

BANKOLE, ABAYOMI OLUWATOBILOBA



i. Biography

Mr. Abayomi O. Bankole is an Assistant Lecturer and young water professional (IWA) with strong background in Water Resources and Engineering Hydrology. He joined the service of the University on 1st August, 2019 as a Graduate Assistant, in the Department of Water Resources Management and Agrometeorology. Bankole obtained his Bachelor of Water Resources Management and Hydrology, and his Master of Science degree in Water Security and Safety Management from the same department. Bankole is a fellow of Agricultural Research and Innovative Forum for Africa (ARIFA), and a recipient of Tertiary Education Trust Fund (TETFund) and Forum for Agricultural Research in Africa (FARA) scholarship, through which he obtained his second Master's degree in Civil and Environmental Engineering at Universidade Estadual Paulista (Sao Paulo State University – UNESP), Sao Paulo, Brazil. His research interest cut across Water and Wastewater Treatment, Engineering Hydrology, Hydrogeology, Sanitation Technology, and Application of Artificial Intelligence in Water Systems' Modeling. Bankole is actively engaged in many grant projects and a reviewer for Heliyon Journal (Cell Press) and

Journal of Applied Geochemistry (Elsevier). He has authored and co-authored articles in high impact journals.

ii. Personal Information

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| (i) | Name in Full: | BANKOLE , Abayomi Oluwatobiloba |
| (ii) | Date of Birth: | 14 th February, 1990 |
| (iii) | Place of Birth: | Abeokuta, Ogun State |
| (iv) | Sex: | Male |
| (v) | Marital Status: | Married |
| (vi) | Nationality: | Nigerian |
| (vii) | Town and State of Origin: | Abeokuta, Ogun State |

iii. **Department:** Water Resources Management and Agrometeorology

iv. **E-mail address:** bankoleoa@funaab.edu.ng/ bankoleabayomi3@gmail.com

v. **Phone Number:** +2348137841755

vi. **Rank:**Assistant Lecturer

vii. **Designation:**Assistant Lecturer

viii. **Researchgate Address:** [Abayomi Oluwatobiloba Bankole | Interest \(researchgate.net\)](#)

ix. **Linkedin Address:** [Abayomi.O.Bankole](#)

x. **Google Scholar Profile:**<https://scholar.google.com/citations?hl=en&user=K2me8MsAAAAJ>

xi. **ORCID Number:**<https://orcid.org/0000-0002-5991-0506>

xii. **Qualifications:**

- Bachelor of Water Resources Management and Hydrology
Federal University of Agriculture, Abeokuta 2017
- Master of Science in Civil and Environmental Engineering
Universidade Estadual Paulista (UNESP) Bauru, Sao Paulo, Brazil. 2023
- Master of Science in Water Security and Safety Management
Federal University of Agriculture, Abeokuta. 2023

xiii. **Membership of Professional Bodies**

- Member, International Water Association (IWA) (ID:
- International Association of Hydrological Sciences (IAHS)
- Nigeria Association of Environmental Health Scientist (NAEHS)

xiv. **Award Received:**

- i. Brazil Government Research Mobility Award - CAPES 2022
- ii. Agricultural Research and Innovation Forum for Africa - Fellowship 2020
- iii. A Silver Medal, West African University Games (WAUG) 2018
- iv. University Sport Ambassador(FUNAAB) Silver Medal Award 2018
- v. A Silver Medal, Nigeria University Games (NUGA) 2017
- vi. Two Medals (One Silver, One Bronze), Nigeria University Games 2014

xv. Research Conducted

MSc. Dissertation

- xvi. **Bankole A. O.** (2023).Machine Learning Framework for Optimization of Flocculation Process of Water Treatment. M.Sc. Dissertation submitted to the Department of Civil and Environmental Engineering, Faculty of Engineering, Sao Paulo State University, Bauru, Sao Paulo, Brazil, 105p. available at <http://hdl.handle.net/11449/244140>
- xvii. **Bankole A. O.** (2023). Assessment of Groundwater Quality of Abeokuta Formation, Ogun State Nigeria. MSc. Dissertation submitted to theDepartment of Water Resources Management and Agrometeorology, Federal University of Agriculture, Abeokuta, Nigeria, 155p.
- xviii. **Bankole A. O.** (2017). Water Quality in Igbokoda/Awoye Coastal Area of Ondo State, Nigeria. B.Sc. Research Report, submitted to the Department of Water Resources Management and Agrometeorology, Federal University of Agriculture, Abeokuta, Nigeria, 42p.

xix. Conferences Attended:

- i. International Medical Geology Association Conference, Federal University of Agriculture, Abeokuta, Nigeria, September, 2019,
Paper Read:Saline Water Intrusion in Groundwater Sources in Parts of Lagos State, Nigeria. 6p
- ii. Faculty of Science International Conference 2019, 5th Biennial Conference, Delta State University, Abraka, Delta State, Nigeria. October 7 – 11, 2019,
Paper Read: Spatial Trend Assessment of Saline-Water Intrusion in Igbokoda/Awoye Coastal Area of Ondo State, Southwestern, Nigeria. 12p
- iii. Environmental Health Scientists Association Conference on Environmental Health Sciences, University of Ibadan, Nigeria. 22 – 24 November, 2021,
Paper Read:Comparative Study of Municipal Solid Waste Management status in Nigeria and Japan in relation to SDGs 11.6.1.
- iv. Environmental Health Scientists Association Conference on Environmental Health Sciences, University of Ibadan, Nigeria. 22 – 24 November, 2021,

Paper Read: Sanitation Coverage and Public Health Status in Nigeria: Past, present and race towards Sustainable Development Goal 6.

- v. BRICS Urbanization Green Innovation Young Scientist Conference, China. 10 May, 2022,

Paper Read: Advantages and Disadvantage of using Tanning in Relation to Aluminium Sulfate for Microalgae Separation.

- vi. 20th SILUBESA Conference on Water and Environmental Sustainability, Aveiro University, Portugal. 29 June – 1 July, 2022,

Paper Read: Separation of Microalgae Grown Anaerobically in external condition using Moringa Oleifera Lam, Tannin and Aluminium Sulfate.

- vii. 2nd International Conference on Environment, Technology, and Management, Nigde Omer Halisdemir University, Nigde, Turkey. 13 – 15 October, 2022,

Paper Read: Biosorption efficiency of Kenaf Fibres and Moringa Seeds combinations in turbid water treatment.

- viii. Water and Health Conference – University of North Carolina, Chapel Hill, United States, 24 – 28 October, 2022,

Paper Read: Can Composite WASH Data Assessment and Interpretation Be Achieved? Application of A WASH Index Approach.

xx. Publications:

Articles in Learned Journals

- f1. Okoye, H. O., **Bankole, A. O.**, Aiyegbokiki A. O., James, A. O., Bankole, A. R., and Oluyeye, D. E. (2023) Human health risks of metal contamination in Shallow Wells around waste dumpsites in Abeokuta Metropolis, Southwestern, Nigeria. *Environmental Monitoring and Assessment*, 195: 881. A Scopus indexed journal published by the Springer Nature. Online at <https://doi.org/10.1007/s10661-023-11527-9>
2. Turbid water treatment with Kenaf (*Hibiscus cannabinus*) Fibers and Moringa seeds (*Moringa Oleifera*): An Application of Nature-Based Solutions. (2023) *Journal of Meteorology and Climate Science*, 22(1): 149 – 173. Online at <https://www.ajol.info/index.php/jmcs/article/view/254637>
- f3. **Bankole, A. O.**, James, A. O., Odjegba, E. E., Bankole, A. R., Babajide, E. I., Jaan, P., Fabiana, F. A. and Moruzzi, R. B. (2023): Factors affecting Sanitation Coverage in three income levels and potential towards SDG 6.2. *Water Policy*, 25: 2. A Scopus

- indexed journal published by the International Water Association. Online at <http://doi.org/10.2166/wp.2023.181>
- f4 Bankole, A. O., Oluwasanya, G., and Odjegba, E. E. (2022). Evaluation of groundwater suitability in the Cretaceous Abeokuta Formation, Nigeria: Implications for water supply and public health. *Groundwater for Sustainable Development*, 19, 100845. <https://doi.org/10.1016/j.gsd.2022.100845>
- f5. Bressane, A., Spalding, M., Zwirn, D., Loureiro, A., **Bankole, A. O.**, Negri, R., Brito, I., Jr., Formiga, J., Medeiros, L., et al. (2022): Fuzzy Artificial Intelligence—Based Model Proposal to Forecast Student Performance and Retention Risk in Engineering Education: An Alternative for Handling with Small Data. *Sustainability*, 14(21): 14071. A Scopus indexed journal published by MDPI. Online at <https://doi.org/10.3390/su142114071>
- f6. Odjegba, E. E., **Bankole, A. O.**, Layi-Adigun, B. O. And Dada, V. O. (2021): Water, Sanitation and Hygiene in Healthcare Centres: Strategy Against COVID-19. *Journal of Water, Sanitation and Hygiene for Development*, 11 (6): 926 – 936. A Scopus indexed journal published by the International Water Association. Online at <https://doi.org/10.2166/washdev.2021.075>.
7. Odjegba E. E., **Bankole, A. O.**, Sadiq, A. Y., Busari, I. O. and Layi-Adigun, B. O. (2021): Rapid Assessment of the Water Chemistry of Public Water Supply in Abeokuta, South-West Nigeria. *Journal of Applied Science Environmental Management*, 25(5): 671 – 675. Published by the University of Port Harcourt, Port Harcourt, Nigeria. ISSN: 1119-8362. <https://doi.org/10.4314/jasemv25i5.1>
- f8. **Bankole, A.O.**, Awomeso, J. A., Odjegba, E. E. Soboyejo, L. (2020). Spatial Trend Assessment of Saline-Water Intrusion in Igbokoda/Awoye Coastal Area of Ondo State, Southwestern Nigeria. *Nigerian Journal of Science and Environment*. 18 (2): 35 – 43. Published by Faculty of Science, Delta State University, Abraka, Nigeria.
- f9. Adekitan, A. A., Olaonipekun S. O, Adejuwan J.O. and **Bankole, A. O.** (2019). Effects of Human Activities on Some Selected Parts of Ogun River Abeokuta, Ogun State, Nigeria. *Intl. Journal of Scientific and Engineering Research*, 10 (12): 805 – 821. ISSN 2229-5518
- f10. Adekitan, A. A., and **Bankole, A. O.** and Oginnin O. A. (2019). Assessment of Surface Water with and Outside Federal University of Agriculture, (FUNAAB) Ogun State, Nigeria for Irrigation purpose. *SSRG Intl. Journal of Agriculture and Environmental Science*. 8 (2): 25-29. Published by Seventh Sense Research Group. ISSN: 2394 – 2568 doi: 10.14445/23942568/IJAES-V8I2P104

f = Articles in foreign Journals