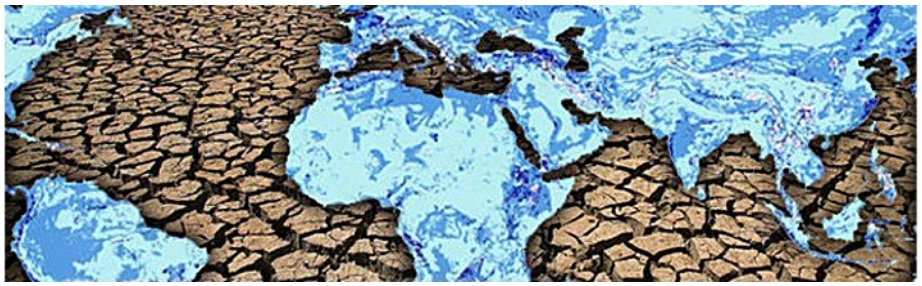
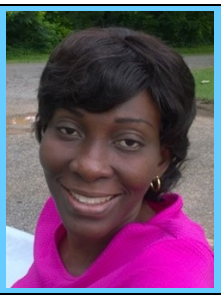
Commission for Water Sustainability



# MEMBER PROFILE



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| **Study areas** | |
|---|---|
| Countries / Regions | Nigeria / South West |

| **Topics of last three projects** | |
|---|---|
| 1 | Land use and water quality |
| 2 | Water accessibility in the hilly communities of Ibadan |
| 3 | 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. |

| | Topics of last 10 publications | Publication links |
|---|---|---|
| 1 | Landuse and surface water quality in an emerging urban city | https://link.springer.com/article/10.1007/s13201-019-0903-2 |
| 2 | Delineation of groundwater potential zones in the crystalline basement terrain of SW-Nigeria: an integrated GIS and remote sensing approach | https://link.springer.com/article/10.1007/s13201-013-0127-9 |
| 3 | Land use dynamics and surface water quality in a typical urban center of south-western, Nigeria | http://istgeorelint.uoradea.ro/Reviste/Anale/arhiva.2017-1.html |
| 4 | Impact of Climate Change on Sea level rise in Lagos, Nigeria. | https://www.tandfonline.com/doi/abs/10.1080/01431161.2011.581709 |
| 5 | A simple distributed water balance model for an urbanized river basin using remote sensing and GIS techniques | https://www.tandfonline.com/doi/abs/10.1080/10106049.2018.1557261?journalCode=tgei20 |
| 6 | Comparing ANN and ARIMA model in predicting the discharge of River Opeki from 2010 to 2020 | https://onlinelibrary.wiley.com/doi/abs/10.1002/rra.3391 |
| 7 | Environmental factors and pattern of riparian vegetation along the downstream sections of the Lower Ogun River, Nigeria | https://onlinelibrary.wiley.com/doi/abs/10.1111/sjtg.12235 |
| 8 | Urbanisation and hydraulic geometry response: a model approach | https://www.inderscience.com/info/inarticle.php?artid=91379 |
| 9 | Stream energy distribution below Eleyele Dam in Southwestern Nigeria | https://onlinelibrary.wiley.com/doi/abs/10.1111/sjtg.12204 |
| 10 | Downstream Morphologic Characteristics of the Alluvial Section of Lower River Ogun, Nigeria | https://www.degruyter.com/dg/viewarticle/j$002fjengeo.2015.8.issue-1-2$002fjengeo-2015-0001$002fjengeo-2015-0001.xml |

# Research interests in water

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Climate & Water** | Water in arid areas | Arctic water | Water cycle | Atmospheric water | Glaciers & Cryosphere | | | | | |
| **Hydrological extreme events** | Floods | Droughts | Ice phenomena | | | | | | | |
| **Water flow** | Catchment processes | Run-off generation | Groundwater-Surface water interactions | Hyporheic processes | Interstitial water | Porewater | Alluvial water | | | |
| **Surface water** | Limnology | Fluvial dynamics | Continental scale processes | Dams / Reservoirs | Sediments | Rivers | Floodplains | | | |
| **Ground water** | Soil water | Karst water | Hydrogeology | Recharge | | | | | | |
| **Marine Environment** | Coastal waters | Estuarian waters | | | | | | | | |
| **Aquatic habitats/ Ecosystems** | Wetlands | Lakes | Peatlands | Rivers | | | | | | |
| **Water availability** | Water utility | Water storage | Dams / Reservoirs | Water scarcity | Supply & Distribution | Water allocation | Water restrictions | | | |
| **Modelling and GIS** | Hydro GIS | Groundwater modelling | Surface water modelling | Remote sensing | | | | | | |
| **Water quality** | Pollution | Purification | Hydrochemistry | Treatment | Desalination | Waste water | Sewage | | | |
| **Water & Health** | Water & Sanitation | Water & Food | Waterborne diseases | Drinking water | Water purification | | | | | |
| **Water & Energy** | Water-Energy nexus | Water for energy | Energy for water | Water, Food & Energy | | | | | | |
| **Water management/ policy** | Integrated Catchment management | Integrated water resource management | Water loss | Reticulation & Supply | Transboundary water | | | | | |
| **Water use** | Urban | Agricultural | Mine water | Industrial | Grey water | Green water | Blue water | Return water | Water sustainability | Competing water use |
| **Water Law & Economics** | Water trade | Virtual water | Privatisation | Water as public good | Right to water | Bills & Laws | Affordability | | | |
| **Socio-political aspects** | Water history | Water wars | Water & Poverty | Access to water | | | | | | |