

## 1. Brief Biography

Dr. Enovwo Erere Odjegba is a Senior Lecturer and researcher in the Department of Water Resources Management and Agrometeorology, Federal University of Agriculture, Abeokuta. Dr. Odjegba does research in Water Science, Water Management and Environmental Science. Her current project is on nature-based water treatment techniques. Dr. Odjegba has contributed to the development of water resources management in Nigeria, by serving in specialized committees such as the Technical Committee on National Standards for Ambient Water Quality (which she was privileged to be Chairman), Committee of Experts on National Standard for Irrigation Water Quality and as a member, Working group on National Standard for Irrigation Water Quality and as a member National Core Group of Water Quality. Dr. Odjegba is also an Orange Knowledge Programme (OKP) Scholar and a CAPES Fellow. At present, she is undergoing her Postdoctoral Fellowship at Universidade Estadual Paulista Julio de Mesquita Filho, Sao Jose dos Campos, Sao Paulo, Brazil. Dr. Odjegba has publications but in local and international journals and conference proceedings.

## 2. Passport-size Photograph



## 3. Personal Information

- i. Name: ODJEGBA Enovwo Erere
- ii. 10<sup>th</sup> April, 1982
- iii. Place of Birth: Ipokia, Ogun State
- iv. Age: 41 years
- v. Sex: Female
- vi. Marital Status: Single
- vii. Nationality: Nigerian
- viii. Town and State: Okpara – Inland, Delta State

## 4. Department

Water Resources Management and Agrometeorology

## 5. Email address

odjegbaee@funaab.edu.ng

## 6. Phone number

+2347037784540, +2348054244991

## 7. Rank

Senior Lecturer

## 8. Designation

Lecturer/Researcher

## 9. Researchgate address

<https://www.researchgate.net/profile/Enovwo-Odjegba>

## 10. LinkedIn address

<https://www.linkedin.com/in/dr-enovwo-odjegba-3a153589/>

## 11. Google scholar profile

<https://scholar.google.com/citations?user=oY5GxQ0AAAAJ&hl=en>

## 12. Orcid number

0000-0003-3402-4708

## 13. Qualification

- i. **Ph.D. Water Resources Management** 2020  
Federal University of Agriculture, Abeokuta, Ogun State, Nigeria
- ii. **MSc. Water Resources Management** 2012  
Federal University of Agriculture, Abeokuta, Ogun State, Nigeria
- iii. **BSc. Water Resources Management and Agrometeorology (Hydrology Option)** 2006  
University of Agriculture, Abeokuta, Ogun State, Nigeria
- iv. **PGD Urban Management Tools for Climate Change (UMTCC)** 2023  
Erasmus University, Rotterdam, The Netherlands

## 14. Membership of professional bodies

- i. Member, International Water Association (Membership number: 1623079)
- ii. Member, International Water Resources Association (Membership number: M- 10107)
- iii. Member, Rural Water Supply Network (RWSN)
- iv. Member, Nigerian Association of Hydrological Sciences (NAHS)
- v. Member, Nigeria Meteorological Society (NMS)

## 15. Award received

- i. CAPES Fellowship (Postdoctoral Fellowship) 2023  
CAPES/PrInt Programa Institucional De Internacionalização  
Universidade Estadual Paulista Júlio De Mesquita Filho (SEDE)  
Sao Paulo, Brazil
- ii. Orange Knowledge Programme (OKP) Scholarship 2023  
Postgraduate Diploma: Urban Management Tools for Climate Change (UMTCC)  
Erasmus University Rotterdam, The Netherlands
- iii. Young Talent Scholarship Fellowship (Postdoctoral Fellowship) 2022  
CAPES Fellowship (Postdoctoral Fellowship)  
CAPES/PrInt Programa Institucional De Internacionalização  
Universidade Estadual Paulista Júlio De Mesquita Filho (SEDE)  
Sao Paulo, Brazil
- iv. Water and Health Conference Scholarship 2022  
University of North Carolina, Chapel Hill, USA
- v. Orange Knowledge Programme (OKP) Scholarship 2022

Short course: Decentralised Water Supply and Sanitation  
IHE Delft Institute for Water Education, The Netherlands

- vi. Federal Government of Nigeria's National Water Resources Institute Research Grant. 2020  
Comparative Assessment of Kenaf (*Hibiscus cannabinus L.*) fibres and Moringa (*Moringa oleifera*) seeds biosorption potentials in high turbid water treatment
- vii. Bill and Melinda Gates Foundation Scholarship (Water and Health Conference) 2019
- viii. University of Colorado Water Sanitation and Hygiene (WaSH) Symposium Travel grant 2019
- ix. Bill and Melinda Gates Foundation Scholarship (Water and Health Conference) 2018
- x. Federal Government of Nigeria's National Economic Empowerment and 2017  
Development Strategies (NEEDS) Assessment Intervention Fund (NAIF)  
Award for PhD Research
- xi. Best graduating Student 2005/2006 Session awarded by the Department of  
Water Resources Management and Agrometeorology, University of Agriculture,  
Abeokuta, Nigeria

#### 16. Research conducted

- i. Biosorption Efficiency of Fibres and Seeds from Selected Varieties of Kenaf (*Hibiscus cannabinus*) in Turbid Water Treatment 2023
- ii. Comparative Assessment of The Potential of Selected Nature-Based Media in Water Purification 2021
- iii. Assessment of the Implications of Sustainable Water Supply Availability in Primary Health Centres (PHC) across Abeokuta, Nigeria 2019
- iv. Sustainability and Risk Assessment of Water Supply Systems in Ogun State, South-west Nigeria 2018
- v. Water Quality Evaluation of Self – Supply Systems in Abeokuta South Local Government Area, Ogun State, Nigeria 2017
- vi. Hazard and Risk Analysis of Selected Water Supply Systems in Abeokuta, Ijebu – Ode, Sagamu, Ayetoro, Ogun State, Nigeria 2016
- vii. Risk Assessment and Socio – Economic Appraisal of Water Supply Systems in Abeokuta, Sango – Ota, Ijebu - Igbo, Sagamu, Abigi, Ogun State, Nigeria 2015

#### 17. Conferences attended

- i. Water and Health Conference, University of North Carolina, USA, October 24 – 28, 2022
- ii. 2<sup>nd</sup> International Conference on Environment, Technology and Management (ICETEM), Nigde Omer Halisdemir University, Nigde, Turkey, October 13 – 15, 2022
- iii. Mediterranean Geosciences Union Conference, Istanbul Technical University, Istanbul, Turkey, 25<sup>th</sup> to 28<sup>th</sup> November, 2021.
- iv. 9<sup>th</sup> International Conference on Appropriate Technology, University of Technology, Pretoria, South Africa, November 23 – 27, 2020
- v. Water and Health Conference, University of North Carolina, USA, October 7 – 11, 2019

- vi. International Medical Geology Association Conference, Federal University of Agriculture, Abeokuta, Nigeria, 24 – 27 September, 2019
- vii. University of Colorado Water, Sanitation and Health (WASH) Symposium, Boulder, Colorado, USA, March 5 – 6, 2019
- viii. Water and Health Conference, University of North Carolina, USA, October 29 – November 2, 2018

## 18. Publications

- i. Oluwasanya, G.O., **Odjegba, E.E.**, Sadiq, A. Y., Bankole, A. O. and Awokola, O. S. (2023) Turbid water treatment with Kenaf (*Hibiscus cannabinus*) Fibres and Moringa seeds (*Moringa oleifera*): An Application of Nature-Based Solutions. **Journal of Meteorology**, Vol 22(1): 150 -174, Published by the Nigerian Meteorological Society
- ii. Batista, G. S., Roledo, C., **Odjegba, E.E.**, Fiore, F. A., Moruzzi, R. B. Goncalves dos Reis, A. (2023) Moringa oleifera seed added prior to sludge thickening improves quality: Analysis of clarification performance and toxicity. *Sustainability*, Vol 15 (9): 7288, Published by MDPI, <https://doi.org/10.3390/su15097288>
- iii. **Odjegba, E.E.**, Oluwasanya, G. O., Idowu, O. A., Shittu, O. B. and Brion, Gail. (2023) Failure Mode Effects and Criticality Analysis of Water Supply Systems' Risks: Path to Water Resources Planning and Policy. **Water and Environment Journal**, Vol 37 (1): 114 – 125, Published by Wiley – Blackwell, United States
- iv. Bankole A. O., James A. O., **Odjegba, E. E.**, Bankole, A. R., Babajide, E., Fiore, F. A., Pu, J. H., and Moruzzi R. B. (2023): Factors affecting Sanitation Coverage in three income levels and potential towards achieving SDG 6.2. Paper accepted for publication in **Water Policy**, published by the International Water Association
- v. Oluwasanya, G. O., **Odjegba, E. E.** Shittu, O.B., Idowu, O.A. and Brion, G. (2022): Service Level Indicators Evaluation of Water Supply Systems: Water Users' Perspective. **Urban Water Journal**, published by Taylor and Francis
- vi. Bankole A. O., Oluwasanya, G. O., and **Odjegba, E. E.** (2022): Evaluation of Groundwater Quality in the Cretaceous Abeokuta Formation, Nigeria: Implications for Water Supply and Public Health. **Groundwater for Sustainable Development**, Vol (19) 100845, Published by Elsevier
- vii. Amujo, B. T., Towolawi, A. T., Adekitan, A. A., **Odjegba, E. E.**, Abolayo, T. T., and Ojekunle Z. O. (2022): Evaluation of Seasonal Water Quality of Drinking Water in Six Residential Estates across Ogun State in Nigeria. **Journal of Applied Science Environmental Management**, Vol 26 (2): 349 – 356. Published by the University of Port Harcourt, Port Harcourt, Nigeria
- viii. **Odjegba, E.E.**, Bankole, A.O., Layi-Adigun, B.O. And Dada, V.O. (2021): Water, Sanitation and Hygiene in Healthcare Centres: Appraisal in a Pandemic. **Journal of Water, Sanitation and Hygiene Development**, Vol 11 (6):926 – 936. Published by the International Water Association.
- ix. **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*, Vol 25 (4):671 – 676. Published by the University of Port Harcourt, Port Harcourt, Nigeria

- x. **Odjegba, E.E.**, Oluwasanya, G. O., Idowu, O. A., Shittu, O. B. and Brion, G. (2020) Sustainability Indices and Risk Analysis of Drinking-Water Systems in Southwest Nigeria. *Journal of Water Supply: Research and Technology-AQUA*, Vol 69 (6): 591 – 603, Published by International Water Association (IWA), United Kingdom, doi: 10.2166/aqua.2020.002
- xi. **Odjegba, E.E.** and Oluwasanya, G. O. Sadiq, A. Y. and Brion, B. (2020) Sustainability and Risk Assessment Matrix (SRAM): Pathway to Water Security. *Water Supply*, Vol 20 (7):2928 – 2940, Published by International Water Association, United Kingdom, doi: 10.2166/ws.2020.196; Paper was initially presented at the International Water Association (IWA) – Young Water Professional (YWP) Conference, Cranfield University, United Kingdom, April 16 – 18, 2018
- xii. Sadiq, A. Y., Oluwasanya, G. O., Eruola, O. A., Ojekunle, O. Z., **Odjegba, E. E.**, and Ahmad, S. M. (2020) Assessment and Mapping of the Spatial Trend in Groundwater Quality in Abeokuta, Nigeria, *Nigerian Journal of Science and Environment*, Vol 18 (2): 4 - 34, published by Faculty of Science, Delta State University, Abraka, Nigeria
- xiii. Bankole, A. O., Awomeso, J. A. and **Odjegba, E.E.** (2020) Spatial Trend Assessment of Saline Water Intrusion in Igbokoda/Awoye Coastal Area of Ondo State, Southwestern Nigeria, *Nigerian Journal of Science and Environment*, Vol 18 (2): 35 – 43, published by the Faculty of Science, Delta State University, Abraka, Nigeria
- xiv. **Odjegba E.E.**, Sadiq, A. Y., Awomeso, J. A., Adetula, B.A. and Ajulo, O.O. (2017) Water Quality Index Evaluation of Self – Supply Systems in Ayetoro, Ogun State, South West Nigeria, *International Journal of Ecology and Environmental Studies* 4 (1): 74 – 81, Published by the Institute of Ecology and Environmental Studies, Obafemi Awolowo University, Ile-Ife, Nigeria, ISSN: 3978-8139-36-1, Available online at <http://iees.oauife.edu.ng/ijees.pdf>
- xv. Oluwasanya, G. O., Sadiq, A. Y., **Odjegba, E. E.** (2016) Inventory and Sanitary Status of Self Supply Systems in Abeokuta, Nigeria: Trend, Challenges and Opportunities, *Nigerian Journal of Hydrological Sciences*, 4<sup>th</sup> Edition 4:215 – 236, Published by the Nigerian Association of Hydrological Sciences, Available online at <http://nahs.org.ng>
- xvi. **Odjegba E. E.**, Idowu, O. A., Ikenweuwe, N. B., and Sadeeq, A.Y. (2015) Public Perception of Potable Water Supply in Abeokuta South west, Nigeria, *Journal of Applied Science and Environmental Management*. Vol. 19 (1): 5 – 9, Available online at <https://www.ajol.info/index.php/jasem/article/view/116614>
- xvii. Amori, A. A., **Odjegba, E. E.** and Adekitan, A. A. (2015) Assessment of Public Perspectives on Quality Control Measures in Public Water Supply in Oyo state, Nigeria, *Journal of Applied Science and Environmental Management*. Vol. 19 (1):13 – 18, Available online at <https://www.ajol.info/index.php/jasem/article/view/116616>
- xviii. Ojekunle, Z. O., Ojajuni, K. O., Sangowusi, R. O., Oyebanji, F. F., Ojekunle, V. O., Adekitan, A. A. and **Odjegba, E. E.** (2015) Evaluation of Soil Contamination level at Dumpsites in

- Nigeria, *Elixir Agriculture* Vol 80:30995 – 31001 Available online at [www.elixirpublishers.com](http://www.elixirpublishers.com)
- xix. Ojekunle, Z. O., Rasak, A. M., Mustapha, D. Z., Ojekunle, V. O., Sangowusi, R. O., Oyebanji, F. F., Adekitan, A. A. and **Odjegba, E. E.** (2015) Assessment of Heavy metals Leaching in Groundwater of Industrial Areas of Nigeria, *Elixir Agriculture* Vol 80 pp:30988 – 30994 Available online at Available online at [www.elixirpublishers.com](http://www.elixirpublishers.com)
- xx. **Odjegba, E.E.**, Amori, A. A., Ojekunle, Z. O., Awomeso, J.A. and Adetula, B. A.(2015) Water Quality and Socio – Economic Appraisal of Public Water Supply in Abeokuta South West Nigeria, Gashua *Journal of Irrigation and Desertification Studies* Vol 1, No 1 & 2: 193 - 203 Available online at <http://www.gjidsfugashua.org.ng/articles/Volume-1-2015>
- xxi. **Odjegba, E. E.**, Idowu, O. A., Oluwasanya, G. O., Ikenweibe, N. B. and Martins, O. (2014). Assessment of Water Demand and Seasonal Variation of Bacteriological Content of Public Water Systems in Abeokuta, Nigeria, *International Journal of Ecology and Environmental Studies*, Obafemi Awolowo University, Ile – Ife 2(1): 81 – 92
- xxii. Awomeso, J.A., Taiwo, A.M., Orebiyi, O.E., Orekoya, A.O. and **Odjegba, E.E.** (2010). Effect of untreated sewage dump on the quality of groundwater in Iddo community, Lagos, Nigeria, *Journal of Agricultural Science and Environment* 10(1):98 – 106 Available at <http://journal.unaab.edu.ng/index.php/JAgSE/article/view/1076/1031>

#### b. Conference papers

- i. **Odjegba, E.E.**, Sadiq, A. Y., Bankole, A. O. and Layi-Adigun, B. O. (2022) Can Composite WASH Data Assessment and Interpretation Be Achieved? Application of A WASH Index Approach, Paper accepted for presentation at the Water and Health Conference, University of North Carolina, USA, (October 24 – 28, 2022)
- ii. Oluwasanya, G.O., **Odjegba, E.E.**, Sadiq, A. Y., Bankole, A. O. and Awokola, O. S. (2022) Biosorption Efficiency of Kenaf Fibres and Moringa Seeds Combinations in Turbid Water Treatment, Paper accepted for presentation at the 2<sup>nd</sup> International Conference on Environment, Technology and Management (ICETEM), Nigde Omer Halisdemir University, Nigde, Turkey (October 13 – 15, 2022)
- iii. **Odjegba, E. E.** (2021) Groundwater Chemistry of Selected Water Sources in Parts of Lagos, Nigeria. Paper to be presented at the Mediterranean Geosciences Union Conference, Istanbul Technical University, Istanbul, Turkey, 25<sup>th</sup> to 28<sup>th</sup> November, 2021.
- iv. Layi-Adigun, B.O., Adegun, B., Oluwasanya' G. O. and **Odjegba, E. E.** (2021) Water Poverty Index of Selected Communities in Southwest Nigeria: An Assessment and Implications for Water Security. Paper presented at the Early Career Women in Water Conference, 8<sup>th</sup> of March, 2021 at Cranfield University, United Kingdom
- v. **Odjegba, E.E.**, Layi-Adigun, B.O and Dada, V.O (2020)Water Supply Systems Assessment and WASH Profile of Primary Healthcare Centres in Parts of Southwest Nigeria, Paper

presented at the 9<sup>th</sup> International Conference on Appropriate Technology, to be held between November 23-27, 2020 in Pretoria, South Africa

- vi. **Odjegba, E.E.**, Oluwasanya, G. O., Idowu, O. A., Shittu, O. B. and Brion, Gail. (2019) Failure Mode Effects and Criticality Analysis of Water Sources in Nigeria, Paper presented at Water and Health Conference, University of North Carolina, USA, October 7 – 11, 2019
- vii. **Odjegba, E.E.**, Oluwasanya, G. O. and Salaudeen, U. O. (2019) Water, Sanitation and Hygiene (WASH) Facilities in Primary Healthcare Centres in Ogun State, Southwest Nigeria, Paper to be presented at Water and Health Conference, University of North Carolina, USA, October 7 – 11, 2019
- viii. **Odjegba, E.E.**, Oluwasanya, G. O., Adekonojo, T. O., Bankole, A. O. and Mesi, D. G.(2019)Saline Water Intrusion in Groundwater Sources in Parts of Lagos State Nigeria, Paper presented at the International Medical Geology Association Conference, Federal University of Agriculture, Abeokuta, Nigeria, 24 – 27 September, 2019
- ix. **Odjegba, E.E.**, Adeniran, K. A., Osinubi, S. and Van Wyk, R. (2019) Hygiene Is Two Thirds Health: Comparative Assessment of WASH in Primary Health Centres, Paper presented at the University of Colorado Water, Sanitation and Health (WASH) Symposium, Boulder, Colorado, USA, March 5 – 6, 2019
- x. **Odjegba, E.E.**, Oluwasanya, G. O., Idowu, O. A. And Shittu, O. B. (2018) Sustainability Indices of Drinking-water Supply Systems: A Tale from the Town to the Village. Paper accepted for presentation at the Water and Health Conference, University of North Carolina, USA, October 29 – November 2, 2018
- xi. **Odjegba, E.E.** and Oluwasanya, G. O. (2018) Sustainability and Risk Assessment Matrix (SRAM): Pathway to Water Security, Paper presented at International Water Association (IWA) – Young Water Professional (YWP) Conference, Cranfield University, United Kingdom, April 16 – 18, 2018
- xii. **Odjegba, E.E.**, Idowu, O. A., Eruola, O. A., Makinde, A. A. Adekitan, A. A. and Ojekunle, Z. O. (2016) Contamination Assessment and Water Quality Evaluation of Selected Ground Water Supply Systems in Ayetoro, Ogun State, Nigeria, Conference Proceedings; Nigerian Meteorological Society International Conference on Climate Variability and Change, November 21 – 24, 2016, Abeokuta, Nigeria, 334 - 355pp
- xiii. Laniyan, A. B., Adekunle, A. A., **Odjegba, E. E.**, Busari, I. O. and Ogunyinka, O. O. (2016) Assessment of Water Quality in Ogun and Oshun RiversQuality for Irrigation Purpose. Conference Proceedings of the Nigerian Meteorological Society International Conference on Climate Variability and Change, November 21 – 24, 2016, Abeokuta, Nigeria, 169 - 174pp
- xiv. Busari, I. O., Martins, O. Laniyan, A. B. and **Odjegba, E. E.** (2016) Variation in Overburden Depth of Selected Wells in FUNAAB and its effect on Water Quality. Conference Proceedings of the Nigerian Meteorological Society International Conference on Climate Variability and Change, November 21 – 24, 2016, Abeokuta, Nigeria, 154 - 168pp
- xv. Awomeso, J.A., Ufoegbune, G.C., Idowu, A.O., Eruola, A.O. and **Odjegba, E.E.** (2009). Investigation of Sachet Water Quality in Abeokuta, Ogun State, Southwest Nigeria, Conference

- Proceedings; Nigerian Meteorological Society International Conference on Climate Change, December 6 – 11, 2009, Osogbo, Nigeria, 54 – 57pp
- xvi. Awomeso, J.A., Ufoegbune, G.C., Idowu, A.O., Eruola, A.O. and **Odjegba, E.E.** (2009). Comparative Investigation of Sachet Water Quality in Abeokuta and Ijebu-Ode, Ogun State, Southwest Nigeria, Conference Proceedings; Nigerian Meteorological Society International Conference on Climate Change, December 6 – 11, 2009, Osogbo, Nigeria 89 – 93pp