

## CURRICULUM VITAE

### 01. PERSONAL DATA

- (i) **Name in Full:** OJEKUNLE Olusheyi Zaccheaus
- (ii) **Date of Birth** 05/04/1975
- (iii) **Place of Birth:** Okigwe, Imo State
- (iv) **Age:** 48 Years
- (v) **Sex:** Male
- (vi) **Marital Status:** Married
- (vii) **Nationality** Nigerian
- (viii) **Number of Children** 3 Children (9 Years, 6 Years and 4 Years)
- (ix) **Town and State of Origin:** Ewekoro, Ogun State
- (x) **Contact Address:** Department of Environmental Management and Toxicology, Federal University of Agriculture, Abeokuta P.M.B 2240, Abeokuta. Ogun State.
- (xi) **Phone Number:** 0803 9181 615, 0809 8439 695
- (xii) **E-mails Address:** [ojekunle@yahoo.com](mailto:ojekunle@yahoo.com), [ojekunlezo@funaab.edu.ng](mailto:ojekunlezo@funaab.edu.ng)

### 02. EDUCATIONAL BACKGROUND

#### a. Educational Institutions Attended (with dates)

- i Army Children School, Janguza. Kano State 1981-1986
- ii Government Secondary School, Jaji, Kaduna State 1986-1992
- iii Obafemi Awolowo University. Ile-Ife, Osun State 1995-2001
- iv Olabisi Onabanjo University Ogun State 2001
- v Tianjin University. People's Republic of China 2003-2004
- vi Tianjin University. People's Republic of China 2004-2006
- vii Tianjin University. People's Republic of China 2006-2009

#### b. Academic and Professional Qualifications (with dates)

- i Primary School Leaving Certificate 1986
- ii Senior Secondary School Certificate 1992
- iii B.Sc in Urban and Regional Planning (*1<sup>st</sup> Class Honours*) 2001
- iv Diploma in Computer Science 2001
- v Diploma in China Language (5 Level) 2004
- vi M.Sc. in Engineering in The Field of Environmental Sciences 2006
- vii Ph.D. in Engineering in The Field of Environmental Sciences 2009

#### c. Prizes, Honours, Scholarship, National and International Recognition

- i Recipient, Chinese Full Distinguished Foreign Excellent Student Scholarship for Doctoral Degree Studies 2007-2010
- ii Recipient, Federal Government Scholarship (A Bilateral Educational Scholarship with Chinese Scholarship Council) 2003-2007
- iii Recipient, Honours on Environmental Protection, NYSC CD Group, Abuja 2002-2003
- iv First Class Honours, Obafemi Awolowo University Ile-Ife Osun State 2001

#### Grants

- i Internal Tetfund Grant worth One Million Naira for the Development of Early Warning System for Agriculture Production in South-West Nigeria. 2013-2014
- ii Tetfund Grant on Novel Heterogeneous Catalyst and Innovation UV-assisted Reactor Design for the Treatment and Re-Use of Produced Water (PW) from Oil Mining, 2021 - Date

### 03. WORK EXPERIENCE

#### Professional Experience/Previous Work Experience outside the University System

- i Secretary, (NYSC) at Federal Capital Development Authority, Abuja, Nigeria 2002-2003
- ii Planner, (Research Fellow) Water Resource Planning Project in Hengshui, (Known as One River Three Systems) Hebei Province, China, 2005-2006
- iii Graduate and Research Assistant, Tianjin University. China 2006-2009

#### Details of teaching at the University

- i Lecturer II, Department of Water Resources Management and Agrometeorology Federal University of Agriculture, Abeokuta Nigeria 2009-2011
- ii Lecturer I, Department of Environmental Management and Toxicology Federal University of Agriculture Abeokuta, Nigeria 2011-2015
- iii Senior Lecturer, Department of Environmental Management and Toxicology Federal University of Agriculture Abeokuta, Nigeria 2015-2018
- iv Reader, Department of Environmental Management and Toxicology Federal University of Agriculture Abeokuta, Nigeria 2018 - Date

#### Supervision of Undergraduate Students

- i Bachelor of Water Resources Management and Agrometeorology 18 – Completed
- ii Bachelor of Environmental Management and Toxicology 62 – Completed  
5 – Ongoing

#### A) Undergraduate Courses Taught

S/ No	Course Code	Course title	Units	No of students	No of Lecturers
1	EMT 104	Introduction to Environmental Sciences I	2	92	2
2	EMT 201	Introduction to Environmental Sciences II	2	84	2
3	EMT 206	Introduction to Urban and Regional Planning	2	89	1
4	WMA 210	Element of Geosciences	3	179	2
5	EMT 302	Environment, Ecosystem and Man	3	83	2
6	EMT 314	Landscape Planning and Design			
7	EMT 316	Water Quality Assessment and Pollution	3	86	2
8	WMA 302	Groundwater Hydrology II	3	67	1
9	WMA 303	Groundwater Hydrology I	3	66	1
10	WMA 307	Water Resources of Nigeria	2	97	1
11	WMA 318	Water Quality Assessment and Pollution Control	3	186	1
12	WMA 401	Principles of Soil and Water Conservation	3	67	1
13	EMT 401	Environmental Monitoring and System Techniques	3	87	2
14	EMT 421	Human Settlements	2	64	2
15	EMT 425	Rural and Urban Regional Planning	2	63	1
16	WMA 509	Water Quality Assessment	3	64	1
17	WMA 510	Watershed Management	2	61	1
18	EMT 517	Environmental Health and Safety	3	87	1

#### B) Postgraduate Courses Taught

1	EMT 801	Global Environmental Issues	2	35	2
2	EMT 802	Environmental Pollution Studies	3	35	2
3	WMA 811	Surface Water Monitoring and Evaluation	3	7	1
4	WMA 812	Water Resources Modeling	3	4	1
5	WMA 817	Methods of Water Quality Assessment	3	47	1
6	EMP 823	Global Environmental Issues (Professional Masters)	2	22	2
7	EMP 826	Environmental Pollution Studies (Professional Masters)	3	22	4
8	ESC 815	Waste Water Management and Pollution Control	3	9	2
9	ESC 812	Global Issues Negotiation Process I	3	4	1
10	ESA 902	Global Issues Negotiation Process II	3	4	1

#### 04. SPECIAL ASSIGNMENTS/COMMUNITY SERVICE

##### a. Departmental Assignments (WMA Department)

i	Postgraduate Coordinator	2009-2011
ii	Departmental Examination/Result Processing Officer	2010-2011
iii	Coordinator 400 Level	2010-2011
iv	Departmental Part-Time Coordinator	2010-2011

##### b. Departmental Assignments (EMT Department)

i	Department Examinational/Result Processing Officer	2011-2018
ii	Coordinator 200 Level	2012-2018
iii	Departmental Part-Time Coordinator	2012-2015
iv	Departmental PG Coordinator	2019 to date

##### c. College Assignments

i	Member, College Board	2009-Date
ii	Member, College Board of Studies	2009-Date
iii	Member, Ad-Hoc Committee on College Beautification	2010-2011
iv	Member, Ad-Hoc College Committee on use of Facilities	2010-2011

##### d. University Assignments

i	Member, Postgraduate School Business Committee	2009-2011, 2015-Date
ii	Member, Time Table and Examination Committee (TIMTEC)	2012-Date
iii	Alternate Chairman (E-Exams) TIMTEC	2014-2018
iv	Chairman, Time Table and Examination Committee	2018-Date
v	Chairman, FUNAAB Covid 19 Compliance Committee	2021-Date
vi	Member, Development of Early Warning System for Agriculture in South Western Nigeria	2012

##### e. Community Service

i	Chairman, Conference Symposium, 3 <sup>rd</sup> and 4 <sup>th</sup> International Conference on Environmental Science and Technology. Houston-Texas USA	2007, 2008
ii	Member, Technical Committee Board for the 3 <sup>rd</sup> and 4 <sup>th</sup> International Conference on Environmental Science and Technology. Houston-Texas USA	2007

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|------|--|----------------------|
| iii  | Chairman, Tree Planting Campaign under the NYSC Committee Development of Environmental Campaign. Responsible for the planting of Trees within the Kubwa Orientation Camp, Abuja,   | 2002-2003            |
| iv   | Participant, At 1-Day Strategic Plan Workshop “Theme: Stakeholder’s Workshop for The Development of Ogun State Water Supply and Sanitation Policy. Organised by Ogun State Water Corporation (2010) Abeokuta.              | 13 July, 2010.       |
| v    | Symposium Chairman at the 1 <sup>st</sup> Environmental Management Conference organized by the College of Environmental Resources Management and GeoScience Review France, at Federal University of Agriculture, Abeokuta. | 12-15 November, 2011 |
| vi   | Symposium Chairman at the 2 <sup>nd</sup> National Hydrological Society Conference Held at Federal University of Agriculture, Abeokuta.  | 2012                 |
| vii  | Guest Lecturer, 3-Days Workshop on GIS Application in Sustainable Environmental Development. Organised by Konsult, Federal University of Agriculture, Abeokuta Ogun State.   | 2012                 |
| viii | Resource Person, Ifelere Community Talk “The Environment and You” organized Annually by the Ifelere Community. Programme on Awareness and Responsibilities of Members of the Community.                                    | 2014.                |
| ix   | Guest Lecturer, Non Governmental Organisation: Regreening the Environment Gain and Losses. Obantoko, Odeda Local Government Area, Ogun State.  | 2014                 |
| x    | Chairman, Ifelere Committee on Education Matter, Ifelere Committee Development Association. Arokoje, Obantoko, Abeokuta South LGA. Ogun State.   | 2014-Date.           |
| xi   | Resource Person, New Dawn Programme of Ogun State Television (OGTV) Station.   | June, 2017           |
| xii  | Assistant Secretary, Redeemer’s Men Fellowship, Agape Mega Parish, Redeemed Christian Church of God. Ogun Province 6, Abeokuta. Ogun State.  | 2015-2018            |
| xiii | Pastor in Charge of Rehoboth Parish of Redeemed Christian Church of God, Ijeun Titun, Abeokuta, Ogun State.  | 2017-2018            |
| xiv  | Pastor in Charge of Word Model Assembly of Redeemed Christian Church of God, off Abioja way, Abeokuta, Ogun State.   | 2018 - Date          |

#### **05. TRAINING PROGRAMME ATTENDED (with dates)**

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|-----|--|--------------------|
| i   | Academic Staff Retreat: Three Days Academic Retreat on the Theme: University Ethics, Pedagogy and Examination Matters. Organised by Federal University of Agriculture, Abeokuta, Ogun State  | 21 – 23 June, 2021 |
| ii  | International Certificate of Digital Literacy Training: Two Weeks training Digital Literacy on the Theme: Advanced Word Processing, Education, Cyber Security and Online Collaboration organized by E-Tech Complete Solutions. Held online and in Federal university of Agriculture, Abeokuta, Ogun State.             | April, 2021        |
| iii | University Training: One (1) Week Workshop on the Theme “Advance Digital, Appreciation Programme for Tertiary Institutions. Organised by Digital Bridge Institute, International Centre for Information and Communication Technology Studies. Nigerian Communication Commission. Abuja. Held at FUNAAB Scholar Centre. | 11 – 15 May, 2015. |
| iv  | Training: 1-Day workshop on the Theme “The Ethic and Conducts of Examination in FUNAAB. Organised by Time Table and Examination Committee of Federal University of Agriculture Abeokuta, Ogun State.   | 2 June, 2014.      |

- v Write Shop: 3 Days Workshop on Proposal and Grant Writing. Organized by the Directorate of Grant Management, Federal University of Agriculture, Abeokuta Ogun State. May, 2014.
- vi 3 Days Training Workshop on the Application and Usage of Electronic Board. Organised by Nigeria University Commission. COLANIM Auditorium, Federal University of Agriculture, Abeokuta Ogun State. May 2011.
- vii National Training Workshop on the Introduction to Geographical Information System (GIS) Organized by GEOAPPS PLUS LIMITED, National Space Research and Development Agency (NARSDA) Abuja. 1-5 November, 2010.

## 06. COMMENDATION

- i Distinguished Leader of General Union of African Students in Tianjin (GUAST), P.R.China. Haven served as the Past President of the Association. 2008
- ii Letter of Commendation for Dedication to Duty as Member of TIMTEC, 2013/2014 Academic Session by the Registrar, FUNAAB,. 2014
- iii Letter of Commendation for Dedication to Duty as Member of Post Graduate School Board Business Committee by the Registrar, FUNAAB. 2015
- iv Letter of Commendation for Dedication to Duty as Departmental Examination Officer by the Registrar, FUNAAB, 2015
- v Letter of Commendation for Dedication to Duty as Member of TIMTEC, 2015/2016 Academic Session by the Registrar, FUNAAB. 2017
- vi Letter of Commendation for Dedication and Vigilant on Examination Malpractice (TIMTEC), 2016/2017 Academic Session by the Registrar, FUNAAB. 2018

## 07. MEMBERSHIP OF PROFESSIONAL BODIES

- i Member, Nigeria Hydrogeological Society
- ii Member, Nigeria Institute of Town Planner
- iii Member, Nigeria Environmental Society
- iv Member, Nigeria Conservation Foundation
- v Member, International Water Association (IWA)

## 08. RESEARCH INTEREST OR COMMISSIONED PROJECTS

### a. Completed Research

- i The Effect of Rail Construction on the Surrounding Neighbourhood along Lagos Abeokuta and Ibadan Environ 2021
- ii Spatial Distribution of Radionuclides and Heavy Metals in Soil from Quarry Sites in Ogun State, Nigeria in Using Fuzzy Logic Modeling 2021
- iii Health Risk Analysis and Effect of Leachates Along Kurata Dumpsite (Ogun State) and Olusosun Dumpsite (Lagos State) in Southwest Nigeria. 2021
- iv Climate Variability and Vulnerability Impacts on the Incidences of Selected Diseases in Abeokuta Metropolis, Ogun State, Nigeria 2019
- v Evaluation of the Phycoremediation Potentials of *Nostoc commune*; *Oscillatoria limosa* and *Chlorella vulgaris* in Treatment of Metal Contaminated Industrial Wastewater 2019
- vi Endemicity and Assessment of Onchocerciasis (River Blindness) in Two Tributaries of Ogun River, Ogun State, Nigeria 2019

- vii Impact of Industrialization on Groundwater Quality and Apportionment of Pollution Sources Using Multivariate Statistics in Agbara and Ota Industrial Estate, Ogun State. 2018
- viii The Prevalence of Heavy Metals in Groundwater along Sango-Otta and Ikeja Industrial District 2017
- ix The Effects of Gemstone Exploitation on Public Health and Water Quality in Ofiki, Atisbo LGA, Oyo State, Nigeria 2016
- x Thermal Comfort Analysis and Environmental Early Warning System for Common Infectious Diseases Preparedness and Intervention in Ondo State, Nigeria 2013
- xi The Use of Leaf Index in CO<sub>2</sub> Sequestration in Selected Tree Species at Omo Forest, Akure Ondo 2013
- xii The use of WEAPs for Evaluating Water Supply and Demand in Ogun Osun River Basin 2011

**b. Research in Progress**

- i Assessment of Mining Activities on Surface and Groundwater Quality in Ijebu Igbo and Ewekoro, Ogun State
- ii Atmospheric Effect of Pollution and Industrial Deposition on Surrounding Waterbodies (Shallow Wells)
- iii Health Risk Assessment of Heavy Metals in Groundwater Around Oluyole and Agbara Industrial Estate
- iv The Implication of Air Pollution on Human Health in Ijoko Area od Sango, Ogun State
- v Analysis of Household Water Security Status among Rural Farming Households in South-South, Nigeria
- vi Assessment of Cost Recovery Through Water Pricing in South Western Nigeria
- vii Determination and Classification of Heavy Metals of Borehole Water Sources from Different Part of Mowe, Ogun State, Nigeria
- viii Physical Chemical and Microbial Loads in Shallow Wells of Abeokuta Metropolis, Ogun State. Nigeria
- ix Assessment of Physicochemical Properties/ Quality of Selected Soaps and Its Environmental and Health Impacts
- xi Impacts of Dumpsite on Health Status of Scavengers and Residents in Kurata (Sango-Ota), Ogun State

**09. PUBLICATIONS**

**A. Research Report, Dissertations and Thesis**

- i **Ojekunle, O. Z.** (2001): Urban Environmental Poverty, a Case Study of Solid Waste Management Techniques, Abuja-Nigeria. B.Sc. Research Report submitted to the Department of Urban and Regional Planning, Obafemi Awolowo University, Ile-Ife, Osun State. 107p
- ii **Ojekunle, O. Z.** (2006): Application of WEAP Simulation Model for Water Resources Planning and development. M.Sc Dissertation to Tianjin University. P.R. China. 128p
- iii **Ojekunle, O. Z.** (2009): The Empirical Study of Sensitivity Model to China's Sustainable Development as its Relate to Global Climate Change. Ph.D Thesis to Tianjin University. P.R. China. 145p

## B. Articles in Learned Journals

- <sup>f1</sup> **Ojekunle, O. Z.**, Zhao, L., Yang, Z., Tan, X. (2007): An Application of WEAP Simulation Model for Hengshui City Water Planning, China. *Transaction of Tianjin University Journal, China*. 13 (2): 142-146. Published by Tianjin University.P.R. China ISSN 1006-4982
- <sup>f2</sup> Yun, Q., Zhao, L., **Ojekunle O. Z.** and Tan, X. (2007): Isolation and Preliminary Characterization of a 3-Chlorobenzoate degrading Bacteria. *Journal of Environmental Sciences*, 19:332-338. Indexed by Scimago, Scopus, Web of Sciences. Published by Elsevier. Available online at <http://www.journals.elsevier.com/journal-of-environmental-sciences>, [www.sciencedirect.com](http://www.sciencedirect.com), ISSN 1001-0742
- <sup>f3</sup> **Ojekunle, O. Z.**, Zhao, L., Tan, X., Harrer, G., Ogar, M. A., and Bangura, H. (2009): Global Climate Change: The Empirical Study of Sensitivity Model in China's Sustainable Development, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 31 (19):1777-1789. Indexed by Scimago, Scopus, Web of Sciences, Published by Taylor and Francis Group, London. Available Online <http://www.tandfonline.com/loi/ueso20> ISSN 1556-7036 print/ 1556-7230 online
- <sup>f4</sup> **Ojekunle O. Z.**, Li R., Zhao L., Tan X., and Bangura, H. (2009): Ameliorating Water Crisis through Sustainable Wastewater Reuse. *Journal of America Water Works Association*, 101 (10): 71-79. Indexed by Scimago, Web of Sciences. Published John Wiley and Sons Inc, United State of America. Available online at [journal@jawwa.org](http://journal@jawwa.org)
- 5 **Ojekunle O. Z.**, Idowu A.O., Dada E.O., Ojekunle R.V. (2011): Multiple Utilizations of Wetlands for Sustainable Food and Water Recycling Production in Nigeria. *Journal of The Built Environment JABU*. 1. (1) : 25-38. Published by Joseph Ayo Babalola University. ISSN 1796-8112
- <sup>f6</sup> Eruola A.O. Ufoegbune, G.C, **Ojekunle O. Z.** Makinde A.A. Ogunyemi I.O (2011): Analytical Investigation of Pollutants in Lagos Coastal Waters, Nigeria. *Advances in Analytical Chemistry*: 1 (1): 8-11. Published by Scientific & Academic Publishing. Available online at <http://journal.sapub.org/aac>
- <sup>f7</sup> **Ojekunle O. Z.**, Ojo O.K., Idowu A.O., Martins O., Oluwansanya G.O. and Ojekunle V.O. (2011): The Evaluation of Water Demand from Surface Water Resources in a Coastal Zone Environment of Ogun River Basin, South Western Nigeria. *African Geoscience Review*. 18, (4) : 95-103. Published in France by Rock View Ltd. ISSN 1760-9976X/2011
- <sup>f8</sup> Ufoegbune G.C., Bello N.J., **Ojekunle O. Z.**, Orunkoya A.R., Eruola A.O. and Amori A.A. (2011). Rainfall Erosivity Pattern of Ogun River Basin Area (Nigeria) using Modified Fournier Index. *European Water*. 35: 23-29. Published by E.W. Publications, European Water Resources Association (EWRA)
- <sup>f9</sup> Amori A.A., **Ojekunle O. Z.**, and Makinde A. A. (2012): Socio-Economic Factors Occupation and Family Size as Predictors of Public Perception of Water Resources Planning in Oyo State, Nigeria. *New York Science Journal* 5(1):128-131. Available online at <http://www.sciencepub.net/newyork.18> (ISSN: 1554-0200)
- <sup>f10</sup> Eruola A.O., Ufoegbune G.C., **Ojekunle O. Z.**, Makinde A.A. and Amori A.A. (2012): Qualitative Assessment of the effect of Thunderstorms on Rainwater harvesting from Rooftop Catchments at Oke-Lantoro Community in Abeokuta, Southwest Nigeria. Resources and Environment. *Scientific and Academic Publishing*. 2(1): 27-32. Published by Scientific & Academic Publishing. Available online at

<http://www.sciencepub.net/newyork/10.5923.j.re.20120201.04html>. p-ISSN: 2163-2618 e-ISSN: 2163-2634

- <sup>f</sup>11 Olatunde, K.A., Arowolo, T.A., Bada, B.S., Taiwo, A.M and **Ojekunle O. Z.** (2013) Distribution and Enrichment of Metals in Sediments of the Ogun within Abeokuta, South-Western Nigeria. *African Journal of Aquatic Science*, 39:(1), 17-22. Indexed by Scimago, Scopus, Web of Sciences. Published by Taylor & Francis Group London Available online at <http://dx.doi.org> ISSN 1608-5914 EISSN 1727-9364
- 12 Idowu, O.A., Martins, O., **Ojekunle O. Z.** and Igbokoyi, E.O. (2013): Groundwater Prospecting Using Geo-Electrical Method in Abeokuta Metropolis, Southwest Nigeria State. *Journal of Nigerian Hydrogeological Society*, 2:126-129. Published by Nigerian Association of Hydrological Sciences. ISSN:2315-6686
- <sup>f</sup>13 **Ojekunle, O. Z.**, Fabiyi, A.O., Oresanya., J.O., Oyebamiji, F.F., Olatunde, A.O., Sangowusi, O.R., Amujo, B.T., and Dada, O. E. (2013): Use and Eradication of Persistent Organic Pollutants in Nigeria. *The Ecoscan Journal, Special Issue*, 4:17-21. Published by the National Environmentalist Association, India. Available online [www.theecoscan](http://www.theecoscan). ISSN:0974-3076
- <sup>f</sup>14 Olaniyi O.A, **Ojekunle O.Z.**, and Amujo B.T (2013): Review of Climate Change and Its Effect on Nigeria Ecosystem. *International Journal of African and Asian Studies* 1 :57-65. Published by - An Open Access International Journal. Available online at [www.iiste.org/Journals/index.php/JAAS/article/view/9099](http://www.iiste.org/Journals/index.php/JAAS/article/view/9099) and [www.ajol.info](http://www.ajol.info)
- <sup>f</sup>15 Oyebanji, F.F, Adeofun, C.O, Adedeji, O.H, Ekpo, U.F, Oguntoke, O and **Ojekunle O. Z.** (2013): Assessment of Respiratory Health of Fuel-Wood Utilization on Exposed Rural Women in Odeda, Southwestern, Nigeria. *Global Journal of Science Frontier Research Environment and Earth Science*. 13 (4) : 17-24. Published by Open Association of Research Society USA (Global Journals Inc. USA) Online ISSN: 2249-4626 and Print ISSN: 0975-5896
- 16 **Ojekunle O. Z.**, Amujo B.T, Ojekunle V.O, Dada E.O, Sangowusi R.O, Nasamu R.E and Ojo O. (2013): Adapting to Climate Change in Developing Countries: A review of Strategies, Constraints and Development in Nigeria. *Herald Journal of Geography and Regional Planning* 2 (2):089-097. Published by Herald International Research Journal. Available online <http://www.heraldjournals.org/hjgrp/archive.htm>
- 17 **Ojekunle O. Z.**, Ojekunle O.V, Yan Shuwang, Nasamu R.O and Ojo O.S. (2013): Research on the Influence of the Deep Seated Sinkhole on the Settlement of Roadway. *Journal of the Built Environment. JABU*. 2. (2) 159-167. Published by Joseph Ayo Babalola University. ISSN: 1796-8112
- 18 Amujo B.T, **Ojekunle O. Z.**, Dada E.O and Sangowusi O.R (2013) Enforcement and Compliance of Illegal Logging Activities in Ogun State, Nigeria. *Journal of the Built Environment. JABU*. 2 (2): 168-180. Published by Ayo Babalola University. ISSN: 1796-8112
- <sup>f</sup>19 Olatunji, S. O., Fatoki, S. O., Opeolu, O. B., Ximba, J. B., **Ojekunle, O. Z.** and Adeniyi, N. K. (2014) Nutrient Enrichment and Hypoxia Threat in Urban Surface Water. *Clean – Soil, Air, Water*, 42 (9999):1–5. Indexed by Scimago, Scopus, Web of Sciences. Published by WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim. Germany. Available online at [www.clean-journal.com](http://www.clean-journal.com)
- 20 **Ojekunle, O. Z.**, Adeboje, M., Taiwo, A.G., Sangowusi, R.O., Taiwo, A.M. and Ojekunle, V.O. (2014): Tree Leaves as Bioindicator of Heavy Metal Pollution in Mechanic Village, Ogun State. *Journal Applied Science Environmental Management (JASEM)*, 18 (4): 639 – 644. Published by Faculty of Science, University of PortHarcourt. Available online at [www.ajol.info](http://www.ajol.info) and [www.bioline.org.br/ja](http://www.bioline.org.br/ja) ISSN: 1119-8362



- 21 Okojie, L.O., Oyetunji, D.B., and **Ojekunle, O. Z.** (2014): Climate Variability and Impact on Rural Farm Income in Oyo State, Nigeria. *Nigerian Journal of Tropical Agriculture*, 14:36-46. Published by Federal University of Technology. Yola. ISSN: 1595-5559
- <sup>f</sup>22 **Ojekunle O.Z.**, Oyebamji F. F., Olatunde K. A., Amujo B. T., Ojekunle V. O. and Sangowusi O. R. (2014) Global Climatic Change in Nigeria: A Reality or Mirage. *Global Journal of Human-Social Science: B Geography, Geo-Sciences, Environmental Disaster Management* 14 (6): 10-17. Published by Open Association of Research Society USA (Global Journals Inc. USA) Online ISSN: 2249-460X and Print ISSN: 0975-587X
- <sup>f</sup>23 **Ojekunle O. Z.**, Ufoegbune G.C., Oyebamiji F.F., Sangowusi R.O., Taiwo A.M., and Ojekunle V.O. (2014): Assessment of the Effect of Commercial Activities on the Surface Water Quality of Ogun River. *Merit Research Journal of Environmental Science and Toxicology*, 2 (9): 196-204. Published by Merit Research Journals. Available online <http://www.meritresearchjournals.org/est/index.htm> ISSN:2350-2266
- 24 Ufoegbune, G.C., Fadipe, O.A., Bello, N.J., Eruola, A.O., Makinde, A.A. and **Ojekunle O. Z.** (2014): Growth and Development of Watermelon in Response to Seasonal Variation of Rainfall. *Journal of Meteorology and Climate Science* 12(1): 31-41. Published by Nigerian Meteorological Society,
- 25 **Ojekunle, O. Z.**, Ojekunle, V.O., Eruola, A.O., Oyebamji, F.F., Olatunde, K.A., Amujo, B.T., Sangowusi, O.R., Adekitan, A.A. and Taiwo, A.G. (2015): The Effects of Storage on Sachet Water Quality in Ogun State, Nigeria, *Journal Applied Science Environmental Management (JASEM)*, 19(2):183-189. Published by Faculty of Science, University of PortHarcourt. Available online at [www.ajol.info](http://www.ajol.info) and [www.bioline.org.br/ja](http://www.bioline.org.br/ja) ISSN: 1119-8362
- <sup>f</sup>26 **Ojekunle, O. Z.**, Oyebamji, F.F., Olatunde, K.A., Sangowusi, R.O., Ojekunle, V.O., Amujo, B.T. and Dada, E.O. (2015): Global Climate Change: The Empirical Study of Sensitivity Model in China's Sustainable Development', Part 2. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* 37 (8): 861-869. Indexed by Scimago, Scopus, Web of Sciences. Published by Taylor and Francis Group, London. Available Online <http://www.tandfonline.com/loi/ueso20> ISSN 1556-7036 print/1556-7230 online
- <sup>f</sup>27 **Ojekunle, O. Z.**, Rasaki, A.M., Mustapha, D.Z., Ojekunle V.O., Sangowusi, R.O., Oyebamji, F.F., Adekitan, A.A. and Odjegba, E.E. (2015): Assessment of Heavy Metals Leaching in Groundwater of Industrial Areas of Nigeria. *Elixir Agriculture*, 80(2015):30988-30994. Published by Elixir International Journal. Available online at [www.elixirpublishers.com](http://www.elixirpublishers.com) ISSN: 2229-712X
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### C. Articles in Edited Conference Proceedings

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#### **G. Technical Report**

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#### **10. MAJOR CONFERENCES AND WORKSHOP ATTENDED WITH PAPER READ**

- I South West Regional Sensitizations Workshop on Climate Change Held on 3rd and 4<sup>th</sup> February, 2020 at Presken Hotel, Maryland, Lagos State. Nigeria. Organized by the Department of Climate Change, Federal Ministry of Environment, Abuja  
**Paper Presented:** The Challenges of Climate Change in Ogun State on Behalf of Ministry of Environment, Abeokuta, Ogun State
- ii The 2nd International Medical Geologists Association (IMGA-Nigeria Chapter) Conference. Held at Federal University of Agriculture, Abeokuta, Nigeria 24th – 27th September, 2019.

**Paper Presented:** Profile Distribution of Soil Carbon Stock in Relation to Animal and Human Health Under Different Land Management Practices in Southwest, Nigeria.

- iii The 6<sup>th</sup> International Conference and Annual General Meeting of the Nigeria Association of Hydrological Sciences (NAHS), 11<sup>th</sup> to 15<sup>th</sup> November, 2015  
**Paper Presented:** Assessment and Characterization of Groundwater Quality in Abeokuta, Ogun State Using Piper's Triangle.
- iv The 6<sup>th</sup> International Conference and Annual General Meeting of the Nigeria Association of Hydrological Sciences (NAHS), 11<sup>th</sup> to 15<sup>th</sup> November, 2015  
**Paper Presented:** Determination of Ground Water Resources in Elekuro and Environs, Abeokuta; Using Geoelectric Method Vertical Electrical Sounding.
- v The 3<sup>rd</sup> International Conference and Annual General Meeting of the Nigeria Association of Hydrological Sciences (NAHS), FUNAAB, Abeokuta, Ogun State. 22<sup>nd</sup> – 26<sup>th</sup> Oct., 2012  
**Paper Presented:** Prediction of Flood Using Climatic Data in Opeki Drainage Basin, South Western Nigeria.
- vi The Environmental Management Conference, Federal University of Agriculture Abeokuta, Ogun 12<sup>th</sup> -15<sup>th</sup> Sept, 2011  
**Paper Presented:** The Evaluation of Sustainable Water Demand in Coastal Environment Using WEAP<sub>21</sub> Model.
- vii The 47<sup>th</sup> Annual Conference of Nigerian Mining and GeoSciences Society. Minna 6<sup>th</sup> - 11<sup>th</sup> March 2011  
**Paper Presented:** Assessment of Groundwater Potential Using Geo-Electrical Method in The Basement Complex of Odeda Local Government Area of Ogun State
- viii Engineering and Sustainability 2009 (Innovation that span Boundaries) Pittsburgh, Pennsylvania. USA. 19<sup>th</sup>-21<sup>st</sup> April, 2009. Sponsor by Macro Center for Sustainable Development (University of Pittsburgh) and Steinbrenner Institute for Environmental Education and Research (Carnegie Mellon University)  
**Paper Presented:** The Empirical Study of Sensitivity Model to China's Sustainable Development as its relate to Global Climate Change.
- ix The 3<sup>rd</sup> International Conference on Environmental Science and Technology, Houston USA. 6<sup>th</sup> - 9<sup>th</sup> August, 2007  
**Paper Presented:** Assessing Hengshui Lake Water Quality.
- X The 3<sup>rd</sup> International Conference on Environmental Science and Technology, Houston USA. 6<sup>th</sup> – 9<sup>th</sup> August, 2007  
**Paper Presented:** A Catchment-Based to Model Land Surface Irrigation Runoff.
- xi The 3<sup>rd</sup> International Conference on Environmental Science and Technology, Houston USA. 6<sup>th</sup> – 9<sup>th</sup> August, 2007



**Paper Presented:** Global Climate Change: Mitigation and Adaptation Strategies-The Chinese Effort.

xii The 2<sup>nd</sup> International Conference on Environmental Science and Technology, Houston USA. 14<sup>th</sup> – 17<sup>th</sup> August, 2006.

**Paper Presented:** Utilization of WEAP Simulation Model for Water Resources Planning and City Development.

xiii The 2<sup>nd</sup> International Conference on Environmental Science and Technology, Houston USA. 14<sup>th</sup> – 17<sup>th</sup> August, 2006.

**Paper Presented:** Global Climatic Changes: Challenges to Kyoto Protocol.

## 11. INFORMATION ON FELLOWSHIP, MASTER'S PROJECTS AND Ph.D. THESIS SUPERVISED

### M.Sc Dissertations

Title of Dissertation/Thesis	Name of Student	Date/Year of Commencement	Completed/ On-going	Sole/ Collaborative Supervision
Assessment of Mining Activities on Surface and Groundwater Quality in Ijebu Igbo and Ewekoro, Ogun State	Agarawu, D. PG 18/0471	2019	On-going	Major Supervisor
Atmospheric Effect of Pollution and Industrial Deposition on Surrounding Waterbodies (Shallow Wells)	Adeyemo, T. PG 18/0137	2019	On-going	Major Supervisor
Health Risk Assessment of Heavy Metals in Groundwater Around Oluyole and Agbara Industrial Estate	Adeleye, F.A. PG 18/0685	2019	On-going	Major Supervisor
The Implication of Air Pollution + on Human Health in Ijoko Area od Sango, Ogun State	Amodu, O.R. PG 18/0037	2019	On-going	Major Supervisor
Determination and Classification of Heavy Metals of Borehole Water Sources from Different Part of Mowe, Ogun State, Nigeria	Awogbemi, B. PG 18/0651	2019	On-going	Major Supervisor
The Effect of Rail Construction on the Surrounding Neighbourhood along Lagos Abeokuta and Ibadan Environ	Okoye O.O. PG 17/0692	2019	completed	Major Supervisor
Assessment of Physicochemical Properties/ Quality of Selected	Fashina, O.O. PG 17/0492	2018	On-going	Major Supervisor

Soaps and Its Environmental and Health Impacts

Physical Chemical and Microbial Loads in Shallow Wells of Abeokuta Metropolis, Ogun State. Nigeria	Toyon, D. W. PG 17/0595	2018	On-going	Major Supervisor
Heavy Metals and Radionuclide Concentrations in Groundwater of Selected Industrial Areas of Ogun State, Southwest Nigeria	Awolokun, G. S. PG 16/0196	2016	2019	Major Supervisor
Impact of Industrialization on Groundwater Quality in Ota and Sagamu Industrial Area of Ogun State, Nigeria	Adeyemi A.A. PG 16/0023	2016	2019	Major Supervisor
Impacts of Dumpsite on Health Status of Scavengers And Residents In Kurata (Sango-Ota), Ogun State	Rasaki A.M. PG 15/0108	2015	On-going	Major Supervisor
Ecological Assessment Of Black Fly ( <i>Simulium Dammosun Sensu Lato</i> ) Breeding Sites In Two Tributaries Of River Ogun, Ogun State, Nigeria	Esan O.R. PG 15/0079	2015	2019	Major Supervisor
Evaluation of the Phycoremediation Potentials of <i>Nostoc commune</i> ; <i>Oscillatoria limosa</i> and <i>Chlorella vulgaris</i> in Treatment of Metal Contaminated Industrial Wastewater	Atoku, D.I. PG 14/0930	2014	2018	Major Supervisor
Climate Variability and Vulnerability Impacts on The Incidence of Selected Diseases in Abeokuta Metropolis, Ogun State, Nigeria	Anim D.J . PG 14/0913	2014	2018	Major Supervisor
Valuation of Wetland Conservation Preferences in Ogun State	Odubanjo, B.A. PG 13/0510	2014	2016	Co-Supervisor
The Effect of Climate Change on Rainfall and Flood in South Eastern Nigeria	Sambo, E.M. PG 13/0104	2014	2016	Co-Supervisor
Air Pollution and Health Related Hazards	Jinadu, O.O.E. PG 13/0316	2014	2016	Major Supervisor
Change Assessment of Land Use and Land Use Cover Types in	Odulaja, O.O. PG 13/0713	2014	On going	Major Supervisor

Ijebu Ode and Environs Area of Ogun State Using for Decades of Satellite Remote Sensing Data and GIS.

Purification of Wastewater Using Water Hyacinth Within the Southern States of Nigeria	Erinle, O. PG 13/0175	2014	2016	Major Supervisor
Water Quality Assessment in Ibarapa Area of Oyo State, Nigeria	Anuoluwapo, A.O. PG 13/0051	2014	2016	Co-Supervisor
Valuation of Water in Fadama Agricultural Production, Ogun State Nigeria: A Hedonic Pricing Approach	Adesina, A. S. PG 12/0007	2014	2016	Co-Supervisor
The Effectiveness, Challenges and Hazards of Street Sweepers in Lagos State	Oyekanmi, O. PG 13/0213	2014	2016	Major Supervisor
Risk associated with high level of noise exposure in the steel fabrication industry. A case study of Nigerdock FZE Plc. Snake Island Apapa Lagos	Akande, E. PG 14/0089	2014	2016	Major Supervisor
Evaluation of Public-Private Partnership Arrangement for Public Water Supply in Lagos State. Nigeria	Ogundeji, S. T. PG 12/0222	2013	2016	Co-Supervisor
The Effects of Gemstone Exploitation on Public Health and Water Quality in Ofiki, Atisbo LGA, Oyo State, Nigeria	Adeagbo, A.S. PG 12/0263	2013	2013	Major Supervisor
The Efficiency of Selected Air Pollution Model in Evaluating Air Pollution Dispersion around Selected Factory in Ogun State.	Ogwo, G.C. PG 12/0276	2013	2017	Major Supervisor
The Prevalence of Water Hyacinth as a Pest to the Environment in the Tropics.	Ayinde, K.A. PG/12/0243	2013	2015	Major Supervisor
The Efficiency of Major Waste Disposal Strategies Amongst Selected Private Waste Disposal Company	Afowowe, O.S. PG 12/0239	2013	2015	Major Supervisor
Climate Variability and Livelihood Vulnerability:	Oyetunji, D.B. PG 11/0071	2012	2015	Co-Supervisor

Implication for Food Security in Nigeria

Assessment of the Occurrence of Waterborne Diseases in Rural Household of Oyo State	Odunjo, O.O. PG 11/0089	2012	2014	Co-Supervisor
The Use of Leaf Index in CO <sub>2</sub> Sequestration in Selected Tree Species at Omo Forest, Akure Ondo State.	Oni, B.F. PG 10/0222	2011	2013	Major Supervisor
Post Impact of Cement Production to its Vicinity, a Study of Larfarge Cement Factory, Ewekoro, Ogun State.	Adekunle, Y.K.Z. PG 11/0402	2011	2013	Major Supervisor
The Relationship of Housing Standard and Sanitation in Ogun State	Bisiriyu., H.O. PG 10/0213	2011	2013	Major Supervisor
Carbon Sequestration Efficiency of Trees Used in Urban Greening in Abeokuta, Ogun State	Adefela, A.M. PG 08/0155	2009	2013	Co-Supervisor
The use of WEAPs for Evaluating Water Supply and Demand in Ogun Osun River Basin	Ojo, O.O. PG 08/0322	2009	2011	Co- Supervisor

**Ph.D. Theses**

<b>Title of Dissertation/Thesis</b>	<b>Name of Student</b>	<b>Date/Year of Commencement</b>	<b>Completed/ On-going</b>	<b>Sole/ Collaborative Supervisor</b>
Cost Recovery in Urban Water Supply Systems in South Western Nigeria	Oyesuji O.O	2021	On-going	Major Supervisor
The Effect of Climate Change on Water Supply System in the Rural Communities Along Ogun Oshun River Development Authority, South West, Nigeria	Fasuwan, A.O	2021	On-going	Co-Supervisor
Climate Change and it Economic Implication to Health Facilities. South Western Nigeria.	Abdulahi B.H	2021	On-going	Co-Supervisor
Application of Humic Acid in Photoremediation of Hydrocarbon Polluted Soils in flood Area using Pragmatic Cumminis	Adeyemi A.A. PG 16/0023	2021	On-going	Major Supervisor
Assessment of Cost Recovery Through Water Pricing in South Western Nigeria	Oyebanjo O.O PG 19/0004	2021	On-going	Major Supervisor
Analysis of Household Water	Edewor A.O.	2017	On-going	Co-Supervisor

Security Status among Rural Farming Households in South-South, Nigeria	PG 16/0014				
Spatial Distribution of Radionuclides and Heavy Metals in Soil from Quarry Sites in Ogun State, Nigeria in Using Fuzzy Logic Modeling	Jedege D. O. PG 16/0220	2017	2021	Co-Supervisor	
Histomorphological Changes and Cellular Responses in Alma millsoni, Grubbe, 1855, exposed to Abattoir Soil Containing Polycyclic Aromatic Hydrocarbons and Heavy Metals	Iwachukwu P.O. PG 15/0701	2016	2021	Co-Supervisor	
Comparative Analysis of Carbon Sequestration in Selected Ecological Zone, South Western Nigeria	Adejobi, O.M. PG 14/0902	2015	2019	Co-Supervisor	
The effects of Persistent Organic Pollutant on Water Quality, Health and Environment in South Western Nigeria	Hassan, J.A. 2014/0214	2015	2019	Co-Supervisor	
Thermal Comfort Analysis and Environmental Early Warning System for Common Infectious Diseases Preparedness and Intervention in Ondo State, Nigeria	Omonijo, A.G. PG 01/0227	2014	2018	Co-Supervisor	
The Prevalence of Heavy Metals in Groundwater along Sango-Otta and Ikeja Industrial District	Adekitan, A.A. PG 05/0018	2014	2018	Co-Supervisor	

## 12. EXTRA-CURRICULAR ACTIVITIES

- i. Football
- ii. Table Tennis
- iii. Long Jump
- iv. Long Distance Race

## 13. REFEREES

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## **MY RESEARCH ACTIVITIES AND CONTRIBUTION TO KNOWLEDGE**

Dr Ojekunle Olusheyi Zaccheaus Obtained his First Degree in the Field of Urban and Regional Planning (First Class Honours) from Obafemi Awolowo University Ile Ife, Osun State, Nigeria (2001) and Proceed on a Federal Government Scholarship on bilateral Educational Agreement with the Chinese Scholarship Council (4 Years Scholarship). One-year Chinese Proficiency Language (2003-2004), and obtained 5 Level Proficient Language Grade and proceeded to his Master Programme where he was awarded Master of Engineering in the Field of Environmental Science, Tianjin University 2004-2006. He became the first in the History of the School 103 years' experience to complete his Master Dissertation in a record time of Two (2) Years. Hence, he was awarded a Distinguished Excellent Foreign Student Scholarship for His PhD which he completed within 3 years (2006-2009) and was awarded PhD in Engineering in the field of Environmental Sciences from same Tianjin University, Peoples Republic of China. His research studies in Urban and Regional Planning, Water Resources Management and Environmental Science from Obafemi Awolowo University, Ile-Ife, Osun State, Nigeria and Tianjin University, P.R. China respectively have provided him not only with a tool to research in all aspects of Planning and Environmental Science, but also equipped him with complete knowledge and expertise in Water Resources and Climate Change. Thus, his research interest had been:

- Assessment/Evaluation of Water Resources (Surface and Groundwaters)
- Pollution Assessment and Effects on Water Resources
- Health Risk Assessment with respect to Water Related Pollution Studies
- Climate Change and Variability Impacts on Economic Development, Ecosystem Management and Food Security

### **Assessment/Evaluation of Water Resources (Surface and Groundwaters)**

1. He researched on evaluation of water resources for planning purposes to meet unmet and future demand in cities and drainage basins in China and Nigeria with the aid of GIS and Water Evaluation and Planning System (WEAPs) model. The cities are Hengshui (China) and Ogun-Oshun River basin, Southwest (Nigeria). The application of the model in the evaluation was first of its kind in both China and Nigeria. He has also evaluated public water supply and its alternatives to traditional means of water supply from rivers and groundwater, which has become imperative in order to prevent water crisis as a result of increasing unmet water demand and sustainable wastewater reuse hence utilizing of wetlands and *Moringa olifera* for waste water purification. He researched work has also appraised the seasonal variation and types of surfaces and groundwater quality and its relative implication to public water supply in Ibadan (Oyo State) and Abeokuta (Ogun State) Nigeria. He also worked extensively on groundwater exploration and quality status in different environments using geo-electrical, biostratigraphical and paleoecological methods in Abeokuta while assessing commercial potable water (bottled and sachet water) quality and effects of storage to determine the acceptable time lag for storage of commercial potable water under ideal conditions.

### **Pollution Assessment and Effects on Water Resources**

2. Surface water quality and pollution were evaluated, the status of, as well as the various climatic factors and anthropogenic activities responsible for surface water pollution and quality degradation in different parts of Nigeria. He appraised the pattern of nutrient enrichment and hypoxia threat in urban surface water in Ogun River Basin of Ogun State, Nigeria, while evaluating groundwater status and quality as a result of basement sedimentation and leaching from municipal and industrial dumpsites. His work also spans as establishment of the relationship between the fate, distribution and path of the heavy metal and hazardous pollutants in the environment while attempted to eradicate the persistent organic pollutant in the

environment using phytoremediation, compost and plant technology as well as characterized degrading bacteria and algae, which are very importance in phytoremediation of waste materials and heavy metals in surface water. His research works assessed tree leaves as bioindicator of heavy metal pollution also determining the elevated quantities of soil pollutants in many parts and locations of dumpsites and scrapyards with far reaching implications on water resources and amendment of these different soils.

### **Health Risk Assessment with respect to Water Related Pollution Studies**

3. His work also determined various toxicological risk assessment of trace elements and heavy metals in water, leaves, drinks and foods with aimed at profiling health risk of contaminants in the environment

### **Climate Change and Variability Impacts on Economic Development, Ecosystem Management and Food Security**

4. Climate change and variability impacts on economic development, ecosystem management, crop yields and food security were extensively covered by the researcher. He was able to predict Chinese economic development using climate change variables with Prof. Vester Sensitivity Model, which until then, was never used for climate change evaluation in China and was used to review adaptations to climate change in developing countries, with a focus on strategies, constraints and development in third world countries. His research work further assessed the impact of climate change and weather variation on livelihood and food security, especially in terms of the growth and yields of various crops types, such as water melon, maize and cocoa. The need for regulation of forest activities with direct implication to climate change through carbon sequestration was examined in his other research work.

**Dr. O.Z. Ojekunle**  
**2022**  
**Associate Professor**

**Date: 29th August,**