


CURRICULUM VITAE

I. Biodata		
(a) Name:	Olawale Olufemi ADELOWO	
(b) Nationality:	Nigerian	
(c) Contact address:	Blk B, Rm 12, Department of Microbiology, University of Ibadan, Nigeria. Mobile: +234 (0)7033505822 Email: onomewaleadelowo@yahoo.co.uk oo.adelowo@mail.ui.edu.ng Researchgate: www.researchgate.net/profile/Olawale_Adelowo ORCID: http://www.orcid.org/0000-0002-5235-8122	

II. University Education:

University Attended	Degrees Earned	Date Received
University of Ibadan, Ibadan, Nigeria	Ph.D. Environmental Microbiology	December 2009
University of Lagos, Akoka, Lagos, Nigeria	M. Sc. Microbiology	May 2002
University of Ibadan, Ibadan, Nigeria	Masters in Information Science	September 2001
Ladoke Akintola University of Technology (LAUTECH), Ogbomoso, Nigeria	Bachelors of Technology in Applied Biology	September 1997

III. Professional Positions:

Positions Held	Date
Professor, Department of Microbiology, University of Ibadan, Nigeria	01/10/2020 to date
Associate Professor, Department of Microbiology, University of Ibadan, Nigeria	01/10/2016 to 30/09/2020
Alexander von Humboldt Foundation (AvH) Visiting Research Fellow, Institute for Biological Interfaces 5 (IBG 5), Karlsruhe Institute of Technology (KIT), Germany. (Prof. Dr. Anne Kristin Kaster and Dr. rer. Nat. Jochen Müller)	04/10/2021 – 20/12/2021
AvH Georg Forster (HERMES) Postdoctoral Fellow, Department of Environmental Biotechnology Helmholtz Zentrum für Umweltforschung (UFZ), Leipzig, Germany (Dr. rer. Nat. Jochen Müller)	04/2015 – 31/10/2016
DAAD Visiting Research Fellow, Institute of Hydrobiology, Technical University of Dresden, Germany (Prof Thomas U. Berendonk)	01/08/2013 – 29/10/2013
Senior Lecturer, Department of Microbiology, University of Ibadan, Nigeria	15/03/2012 to 30/09/2016
Lecturer/Senior Lecturer, Department of Pure and Applied Biology, Ladoke Akintola University of Technology (LAUTECH), Ogbomoso, Nigeria	1/10/2003 – 14/03/2012
Visiting Postgraduate Student, National Food Institute, Technical University of Denmark, Copenhagen, Denmark (Dr Yvonne Agerso)	01/12/2008 – 28/02/2009
Visiting Postgraduate Student, Institute of Microbiology, Chinese Academy of Sciences, Beijing, China (Prof. Shuangjiang Liu)	01/11/2006 – 31/10/2007
Graduate Assistant, Department of Pure and Applied Biology, Ladoke Akintola University of Technology (LAUTECH), Ogbomoso, Nigeria	8/09/1999 – 30/09/2003

IV. Grants and Awards:

- a) 2024-2027 CNRS_JRP_Grant “Monitoring and Controlling Antimicrobial Resistance in Low and Middle Income Countries (Moco AMR). Co PI with Prof Christophe Bordi, Aix Marseille University, Marseille, France. (300,000€)
- b) 06/2021 – 12/2022 CNRS Grant “Support for Collaboration with Africa 2021” Co PI with Prof James Sturgis, Aix Marseille University, France (20,000€)

- c) 04/10 – 29/12/2021 Alexander von Humboldt (AvH) Foundation Renewed Research Stay Fellowship, Institute for Biological Interfaces 5 (IBG 5), Karlsruhe Institute of Technology, Germany
- d) 01/05/2017 – 30/04/2017 Alexander von Humboldt Foundation Return Fellowship grant (6,000€) (PI)
- e) 04/05/2015 – 31/10/2016 Alexander von Humboldt (HEMES) George Forster Postdoctoral Fellowship Department of Environmental Biotechnology, Helmholtz Zentrum Für Umweltforschung (UFZ), Leipzig, Germany (Dr. rer. Nat. Jochen A. Müller)
- f) 01/08 – 29/10/2013 German Academic Exchange Service (DAAD) Research Stay for University Academics and Researchers, Institute of Hydrobiology, Technical University of Dresden, Germany (Prof. Thomas U. Berendonk)
- g) 01/12/2008 – 28/02/2009 International Union of Microbiological Societies (IUMS)-Society for General Microbiology (SGM)-UNESCO Short Term Fellowship, National Food Institute, Technical University of Denmark, Copenhagen, Denmark (Dr Yvonne Agerso)
- h) 01/11/2006 – 31/10/2007 Third World Academy of Sciences (TWAS)-Chinese Academy of Sciences (CAS) Fellowship for Postgraduate Research, Institute of Microbiology, Chinese Academy of Sciences, Beijing, China (Prof. Shuangjiang Liu)
- i) Tugbiley Prize for the Best Graduating Student in Pure and Applied Biology, Ladoke Akintola University of Technology, (LAUTECH), Ogbomoso, Nigeria, 1996/1997 Academic Session
- j) Tunji Ige Adeyoyin Prize for the Best Graduating Student in Pure and Applied Biology, Ladoke Akintola University of Technology, (LAUTECH), Ogbomoso, Nigeria, 1996/1997 Academic Session

V. Community Service

1. Member, Technical Working Group on Antimicrobial Resistance Surveillance in Nigeria (representing the environmental AMR sector) coordinated by the Nigerian Centre for Disease Control (NCDC), 2017 - 2018
2. *Ad hoc* Peer Reviewer of grant applications for the following International Organizations:
 - a. United Kingdom Research and Innovation (UKRI)
 - b. African-German Network of Excellence in Science (AGNES)
3. *ad hoc* peer reviewer for the following local and International Journals

<ol style="list-style-type: none"> i. Current Opinion in Microbiology ii. International Microbiology iii. Polycyclic Aromatic Compounds iv. Microbial Drug Resistance v. PLoS ONE vi. Environmental Pollution vii. Environmental Research viii. Water Research ix. BMC Infectious Diseases x. BMC Public Health xi. Letters in Applied Microbiology xii. Frontiers in Microbiology 	<ol style="list-style-type: none"> xiii. Bioremediation Journal xiv. Water Quality Exposure and Health xv. Water Science and Technology xvi. Journal of Infection in Developing Countries xvii. Foodborne Pathogens and Disease xviii. Veterinarski Archiv xix. African Journal of Food Science and Technology xx. African Health Science xxi. Water and Environment Journal xxii. Sokoto Journal of Veterinary Medicine xxiii. Environmental Monitoring and Assessment xxiv. Frontiers in Cellular and Infection Microbiology
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VII. Selected Publications: *Google Scholar h-index=19, i10-Index=25*

International Refereed Journals

1. Oyelade, A. A., Ikhimiukor, O. O., Nwadike, B. I., Fagade, O. E. And **Adelowo, O. O.** (2024). Assessing the risk of exposure to antimicrobial resistance at public beaches: Genome-based insights into the resistomes, mobilomes and virulomes of beta-lactams resistant *Enterobacteriaceae* from recreational beaches in Lagos,

- Nigeria. *International Journal of Hygiene and Environmental Health*. 258: 114347. <https://doi.org/10.1016/j.ijheh.2024.114347>
2. Ajayi-Odoko, A. O., Ayansina, D. V. A., Ikhimiukor, O. O., Müller, J. A., **Adelowo, O. O.** (2023). *Proteus mirabilis* isolated from untreated hospital wastewater, Ibadan, Southwestern Nigeria showed low-level resistance to fluoroquinolone and carried *qnrD3* on Col3M plasmids. *Environmental Science and Pollution Research*, <https://doi.org/10.1007/s11356-023-25618-0>
 3. Onovaye, A. M., Ikhimiukor, O. O., **Adelowo, O. O.** (2023). Response of Bacteria Isolated from Spent Engine Oil Contaminated Soil to Hydrocarbons, Metals and Antibiotics. *Soil and Sediment Contamination: An International Journal*, DOI: 10.1080/15320383.2022.2157794.
 4. Knecht, C. A., Krüger, M., Kellmann, S., Mäusezahl, I., Möder, M., **Adelowo, O. O.**, Vollmers, J., Kaster, A. K., Nivala, J. & Müller, J. A. (2022). Cellular stress affects the fate of microbial resistance to foliate inhibitors in treatment wetlands. *Science of the Total Environment* 845:157318. <http://dx.doi.org/10.1016/j.scitotenv.2022.157318>
 5. Ugwuja, C. G., Olorunnisola, D., Ogunlaja, A., **Adelowo, O. O.**, Taubert, A., Kolawole, G. A., Olukanni, O. D., Uwanibe, J. N., Kayode, A. T., Hesemann, P., Fatta-Kassinos, D., Msagati, T., Onikepe, A. F., Stuart, C. M., Unuabonah, E. I. (2021). Single-Route Delaminated Clay Composites for Efficient Visible-Light Photomineralization of Antibiotic Resistant Bacteria and Associated Genes in Water. *Applied Catalysis B: Environmental* 292: 120143. <https://doi.org/10.1016/j.apcatb.2021.120143>
 6. Lawal, O. U., Adekanmbi, A. O. & **Adelowo, O. O.** (2021). Occurrence of methicillin-resistant Staphylococci in the pig-production chain in Ibadan, Nigeria. *Onderstepoort Journal of Veterinary Research* 88 (1), a1959. <https://doi.org/10.4102/ojvr.v88i1.1959>
 7. **Adelowo, O. O.**, Ikhimiukor, O. O., Knecht, C., Vollmers, J., Bhatia, M., Kaster, A. K., Müller, J. A. (2020). A survey of extended spectrum beta-lactamase-producing *Enterobacteriaceae* in urban wetlands in southwestern Nigeria as a step towards generating prevalence maps of antimicrobial resistance. *PLoS ONE*. 15(3): e0229451. <https://doi.org/10.1371/journal.pone.0229451>
 8. Ajewole, O. A., Ikhimiukor, O. O., **Adelowo, O. O.** (2020). Heavy Metals (Cu and Zn) Contamination of Pond Sediment and Co-occurrence of metal and antibiotic resistance in *Escherichia coli* from Nigerian aquaculture. *International Journal of Environmental Studies*. 78:5, 773-784.
 9. Adekanmbi, A. O., Soyoye, O. F. and **Adelowo, O. O.** (2019). Characterization of methicillin resistance gene *mecA* in coagulase negative staphylococci (CoNS) recovered from wastewater of two healthcare facilities in Nigeria. *Gene Reports*. 17: 100541. <https://doi.org/10.1016/j.genrep.2019.100541>.
 10. Adekanmbi, A. O., **Adelowo, O. O.**, Okoh, A. I. and Fagade, O. E. (2019). Metal-resistance encoding gene fingerprints in some bacteria isolated from wastewaters of selected printerries in Ibadan, Southwestern Nigeria. *Journal of Taibah University for Science*. 13(1): 266-273.
 11. Ugwuja, C. G., **Adelowo, O. O.**, Ogunlaja, A., Omorogie, M. O., Olukanni, O. D., Ikhimiukor, O. O., Iermak, I., Kolawole, G. A., Gunter, C., Taubert, A., Bodede, O., Moodley, R., Inada, N. M., de Camargo, A. S. S. and Unuabonah, E. I. (2019). Solar Mediated Photodynamic Water Disinfection @ Bimetallic Doped Hybrid Clay Nanocomposites. *ACS Applied Materials and Interfaces*. 11:25483-25494.
 12. Ikhimiukor, O. O. and **Adelowo, O. O.** (2019). Selective metal accumulation by metal-resistant bacteria growing on spent engine oil in single and ternary metal mixtures. *International Journal of Environmental Science and Technology* 16(8):4945-4954. <https://doi.org/10.1007/s13762-018-2137-5>.
 13. **Adelowo, O. O.** and Okunlola, I. (2019). Field Assessment of Antibiotic use in Fish Farms in Southwestern Nigeria. *Rev. Elev. Med. Vet. Pays Trop.* 72(4): 187-191.

14. **Adelowo, O. O.** and Osuntade, A. I. (2019). Class 1 Integron, sulfonamide and florfenicol resistance genes in bacteria from three unsanitary landfills, Ibadan, Nigeria. *Journal of Microbiology and Infectious Diseases*. Vol. 9, No. 1:34-42.
15. **Adelowo, O. O.**, Helbig, T., Knecht, C., Reincke, F., Mäusezahl, I. and Müller J. A. (2018). High abundances of class 1 integrase and sulfonamide resistance genes, and characterisation of class 1 integron gene cassettes in four urban wetlands in Nigeria. *PLoS ONE*. 13(11): e0208269.
16. **Adelowo, O. O.**, Vollmers, J., Mäusezahl, I., Kaster, A. K., Müller, J. A. (2018). Detection of the carbapenemase gene *bla_{VIM-5}* in members of the *Pseudomonas putida* group isolated from polluted Nigerian wetlands. *Scientific Reports*. 8:15116. <https://doi.org/10.1038/s41598-018-33535-3>
17. Oyelade, A. A., **Adelowo, O. O.** and Fagade, O. E. (2018). *bla_{NDM-1}*-producing *Vibrio parahaemolyticus* and *V. vulnificus* isolated from recreational beaches in Lagos, Nigeria. *Environmental Science and Pollution Research*. 25(33): 33538-33547.
18. **Adelowo, O. O.**, Caucci, S., Banjo, O. A., Nnanna, O. C., Awotipe, O. E., Peters F. B., Fagade, O. E. and Berendonk, T. U. (2018). Extended Spectrum Beta-lactamase (ESBL)-producing bacteria isolated from hospital wastewater, rivers and aquaculture sources in Nigeria. *Environmental Science and Pollution Research* 25(3): 2744-2755.
19. Ajayeoba, T. A., Atanda, O. O., Obadina, A. O., Bankole, M. O. and **Adelowo, O. O.** (2016). The incidence and distribution of *Listeria monocytogenes* in ready-to-eat vegetables in Southwestern Nigeria. *Food Science and Nutrition* 4(1): 59-66. DOI: 10.1002/fsn3.263.
20. Oriomah, C, **Adelowo, O. O.** and Adekanmbi, A. O. (2015). Bacteria from spent engine-oil-contaminated soils possess dual tolerance to hydrocarbon and heavy metals, and degrade spent oil in the presence of copper, lead, zinc and combinations thereof. *Annals of Microbiology* 65(1): 207-215.
21. Olaitan, A. O, Diene, M. S., Kempf, M., Berrazeg, M., Bakour, S., Gupta, S., Thongmalayvong, B., Akkhavong, K., Somphavong, S., Paboriboune, P., Chaisiri, K., Komalamisra, C., **Adelowo, O. O.**, Fagade, O. E., Banjo, O. A., Oke, A. J., Adler, A., Assous, M. V., Morand, S., Raoult, D. and Rolain, J. M. (2014). Worldwide emergence of colistin resistance in *Klebsiella pneumoniae* from healthy humans and patients in Lao PDR, Thailand, Israel, Nigeria, and France due to inactivation of the PhoP/PhoQ *mgrB* regulator: a molecular and epidemiological study. *International Journal of Antimicrobial Agents* 44(6): 500-507.
22. **Adelowo, O. O.**, Fagade, O. E. and Ageroso, Y. A. (2014). Antibiotic resistance and resistance genes in *Escherichia coli* from poultry farms, southwest Nigeria. *Journal of Infection in Developing Countries* 8(9): 1103-1112.
23. Olaitan, A. O., Berrazeg, M., Fagade, O. E., **Adelowo, O. O.**, Alli, J. A. and Rolain, J. M. (2013). Emergence of multidrug-resistant *Acinetobacter baumannii* producing OXA-23 carbapenemase, Nigeria. *International Journal of Infectious Diseases* 17, e469 –e470.
24. **Adelowo, O. O.**, Akinlabi, I. A. and Fagade O. E. (2012). Environmental impact assessment of Attenda abattoir, Ogbomoso Southwestern Nigeria on surface and groundwater quality using geoelectrical imaging and microbiological analysis. *Environmental Monitoring and Assessment* 184(7): 4565–4574.
25. **Adelowo, O. O.** and Fagade, O. E. (2012). Phylogenetic characterization of antibiotic resistant bacteria isolated from a poultry waste polluted river, southwestern Nigeria. *Turkish Journal of Biology* 36(1): 37-45.
26. **Adelowo, O. O.**, Ojo, F. A and Fagade, O. E (2009). Prevalence of multiple antibiotic resistance among bacteria isolates from selected poultry waste dumps in southwestern Nigeria. *World Journal of Microbiology and Biotechnology* 25 (4): 713-719.

27. **Adelowo, O. O.** and Fagade, O. E. (2009). The tetracycline resistance gene *tet39* is present in both Gram negative and Gram-positive bacteria from a polluted river, southwestern Nigeria. *Letters in Applied Microbiology* 48 (2): 167-172.
28. **Adelowo, O. O.**, Fagade, O. E. and Oke A. J. (2008). Prevalence of co-resistance to disinfectants and clinically relevant antibiotics in bacterial isolates from three hospital laboratory wastewaters in southwestern Nigeria. *World Journal of Microbiology and Biotechnology* 24(9): 1993-1997.

Monograph

1. **Adelowo, O. O.** (2017). Taking another look in the Mirror: Tackling antibiotic resistance through profiling of environmental reservoirs. *2017 Faculty of Science Lecture, University of Ibadan, Nigeria. 17 January 2017*. ISBN:978-978-548-73-0-5

Chapter in Book

1. Fagade, O. E., **Adelowo, O. O.**, Adesokan, H. K., Nwadike, B. I. and Adekambi, A. O. (2023). Airborne prokaryotes and toxins. In (Ilori et al., Eds.) *Aeromicrobiology. Developments in Applied Microbiology and Biotechnology*. Elsevier. London

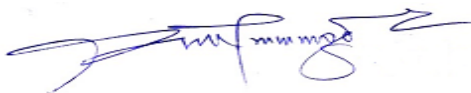
VIII. Selected Conferences Presentations

1. **Adelowo, O. O. (2022)**. Inheritable Diseases: Risks, Diagnosis and Prevention. *Online Symposium of Genetics and Its Contribution to our Wellbeing. 27, August, 2022*
2. **Adelowo, O. O. (2022)**. Fundamentals of Molecular Biology. *Invited Keynote Lecture, Workshop on Molecular Biology, Faculty of Applied Sciences, Kola Diasi University (KDU), Ibadan, Nigeria. 4-6 July, 2022*
3. **Adelowo, O. O. (2019)**. Bioinformatics, OMICs Sciences and the Big Data Revolution: The Art, The Science and a Lost Opportunity. *Invited Keynote Address, Bioinformatics Training Workshop, Precious Cornerstone University, Ibadan, Nigeria. 5th August, 2019.*
4. **Adelowo, O. O. (2019)**. Antibiotic Resistance Genes as a New Class of Environmental Pollutants. *Invited Plenary Talk, Genetic Toxicology Association of Nigeria (GTAN) National Training Workshop on "Current Techniques in Genetic Toxicology" organized by GTAN and The Postgraduate School, University of Ibadan, Nigeria. 7-11 May, 2019.*
5. Ikhimiukor, O. O., **Adelowo, O. O.**, Adeleke, R. A., Müller, J. A. (2018). Electronic waste (E-Waste) dumpsites in Nigeria: a potential reservoir of metal tolerant and multidrug resistant *Escherichia coli* and associated mobile genetic elements. *6th Central European Symposium on Antimicrobials and Antibiotic Resistance (CESAR, 2018), Sveti, Croatia. 19-22 September, 2018.*
6. Knecht, C., M. Krüger, A. Buchholz, H. Dambeck, J. Nickolaus, A. Ahmed, S. Kellmann, I. Mäusezahl, M. Möder, M. Kästner, **O. O. Adelowo**, J. Nivala, J. A. Müller. (2018). Fate of antibiotic resistant bacteria in two different constructed wetland types. *17th International Symposium on Microbial Ecology (ISME 17), Leipzig, Germany. 12-17 August, 2018.*
7. **Adelowo O. O.**, J. Müller. (2017). Detection of clinically relevant antibiotic resistance genes in two wetlands linked to Ibadan city water supply system – A possible health threat in Nigeria’s third largest city? *4th International Symposium on the Environmental Dimension of Antibiotic Resistance (EDAR4). Lansing, Michigan, USA. 13-17 August, 2017.*
8. Knecht, C., H. Dambeck, M. Krueger, J. Nickolaus, A. Ahmed, S. Kellmann, I. Mäusezahl, M. Moeder, J. Nivala, **O. O. Adelowo**, J. Müller. (2017). Fate of sulfamethoxazole and trimethoprim resistance in two constructed wetland types. *4th International Symposium on the Environmental Dimension of Antibiotic Resistance (EDAR4). Lansing, Michigan, USA. 13-17 August, 2017.*

9. **Adelowo, O. O.**, Helbig, T., Rummelein, N., Reincke, F., Mäusezahl, I. Müller, J. A. (2017). Detection of antibiotic resistance genes (ARGs) as contaminants in four Nigerian wetlands through culture-dependent and culture-independent analysis. *Humboldt Kollege, Ladoke Akintola University of Technology, Osogbo, Nigeria. January 25-27, 2017.*
10. **Adelowo, O. O.** and Müller, J. A. (2016). Co-occurrence of multiple β -lactamases and plasmid mediated quinolone resistance (PMQR) genes in *Enterobacteriaceae* from a polluted Nigerian wetland. 68. *Jahrestagung der Deutschen Gesellschaft für Hygiene und Mikrobiologie (DGHM)*, 11-14 September 2016, Ulm, Germany. *Book of Abstracts Published in International Journal of Medical Microbiology, Volume 306, Issue 8, Supplement 1, December 2016, Pages 1-150.*
11. Knecht, C., Dambeck, H., Krüger, M., Nickolaus, J., Ahmed, A., Kellmann, S., Mäusezahl, I., Kästner, M., **Adelowo, O. O.**, Nivala, J. and Müller, J. A. (2016). Fate of sulfonamide and trimethoprim resistant bacteria and resistance genes in constructed wetlands. *Annual conference of the Association for General and Applied Microbiology (VAAM)*, 13-16 March 2016, Jena, Germany.
12. Osuntade, A. I., **Adelowo, O. O.** and Fagade O. E. (2015). Landfill leachate as an “underappreciated” reservoir of bacteria harbouring co-resistance to antibiotics and heavy metals. 67. *Jahrestagung der Deutschen Gesellschaft für Hygiene und Mikrobiologie (DGHM)*, 27-30 September 2015, Münster, Germany. *Book of Abstracts Published in International Journal of Medical Microbiology, Volume 305, Supplement 1, September 2015, Pages 1-184.*

IX. Membership and Activities in Professional Societies

- a) Member (2018-2020), United Kingdom Research and Innovation (UKRI) International Peer Review College (Reviewed 2 grant proposals for the Research Council, UK Global Challenges Research Fund)
- b) Member, British Society for Antimicrobial Chemotherapy
- c) Member, American Society for Microbiology
- d) Member, Infectious Diseases Society, USA
- e) Member, African German Network of Excellence in Science (AGNES) (*ad hoc* reviewer of applications for AGNES Mobility and AGNES Junior Research Grants)
- f) Member, Nigerian Society for Microbial Ecology



11Adelowo O. O. *Ph.D.*

Date: 15/11/2024