

CURRICULUM VITAE

PROFILE

I'm a Global Exceptional Talent endorsed by the Royal Society, United Kingdom. I am a seasoned virologist with extensive experience in water and wastewater surveillance for public health initiatives, especially in Nigeria and Africa. My roles include consulting for the WHO on viral infectious diseases and serving on various ministerial committees, notably the Ministerial Expert Advisory Committee on COVID-19 Health Sector Response. I led the largest serosurvey in Nigeria and Africa on SARS CoV 2 funded by WHO and contributed to global surveillance efforts through the WHO AFRO COVID-19 Unity Study Global Networks. Beyond COVID-19, I've played a crucial role in eradicating wild poliovirus in Nigeria as the National Coordinator for Poliovirus laboratory containment programs since 2015 to date. These significant efforts contributed to Nigeria's certification as polio-free since August 2020. Additionally, I've trained over 1,000 surveyors and WHO consultant virologists in poliovirus containment strategies and organized international workshops as the Director of the Institute of Molecular Science and Biotechnology at the University of Ilorin, Nigeria. I am a Fellow of the Royal Society of Biology, United Kingdom. My work underscores my commitment to global health security and waterborne infectious disease control.

BIODATA

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H-index: 21
H-10 index: 55
GOOGLE SCHOLAR CITATION: 2,290
[Google Scholar page](#), [ORCID](#), [Research Gate](#)
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EDUCATIONAL QUALIFICATIONS

Ph.D. Medical Microbiology (Virology), University of Ilorin, Ilorin, Nigeria (2006)
Thesis: Antiherpetic activities of *Bridelia ferruginea* benth bark and *Senna alata* leaves.
M.Sc. Environmental Microbiology, University of Ilorin, Ilorin, Nigeria (2002)
Dissertation: Studies on the efficacy of *Bridelia ferruginea* benth bark in water and wastewater treatment.
M.Sc. Health Planning and Management (MHPM), University of Ilorin, Ilorin, Nigeria (2023)
Dissertation: Factors influencing COVID-19 vaccine uptake in Kwara state: Role of public health management professionals in driving behavioral change.
B.Sc. Microbiology (Second Class Upper), University of Ilorin, Nigeria (1998)
Project: Antimicrobial activities of synthetic compounds on post-harvest rots of Red Pepper.
Diploma in Research Commercialization, African University of Science and Technology, Abuja, Nigeria (2023)
Project: Feasibility analysis of bioflocculant OMK for water and wastewater treatment.
PgCert, Project Management in Global Health, University of Washington, USA. Distinction. (2024)
PgCert, Introduction to Epidemiology in Global Health, University of Washington, USA.

Distinction. (2024)
PgCert, The ABC of Artificial Intelligence and the Delivery of Quality Higher Education: A
Practical Course, National Open University of Nigeria (NOUN) Distinction. (2024)

WORK EXPERIENCE

TEACHING EXPERIENCE

- (1) **Associate Tutor**, Department of Public Health, Warwick Medical School, University of Warwick, Coventry, United Kingdom (April 2024 to Date)

Job description:

- Guest lecturer on the International Health Policy Module to MPH students: Global Poliovirus Surveillance and Eradication.
 - Supporting learning for module MD2B4-30 Interactions: Environment and Genes.
 - Designed content for synchronous and asynchronous learning, facilitated workshops, and assessed 38 IHS students.
 - Delivering lectures in the HMS MD2B4 Module to Health Management students on the following courses: Human Impacts of Extreme Events, Human and Environment Interactions, and Resilience to Environmental Changes.
- (2) **Visiting Professor**, School of Engineering, University of Warwick, Coventry, United Kingdom (March 2022 to Date)

Job description:

- Attending and participating in all Institute of Advanced Study (IAS) Accolades Programs.
 - Supported learning for the following modules: Renewable Energy; Sustainable Cities and Infrastructures for Emergency; and Humanitarian Engineering: Ethics, Theory, and Practices.
 - Designed content for synchronous and asynchronous learning, facilitated online seminars, and assessed 25 MSc students towards capacity building in Humanitarian Engineering.
 - Supporting research collaboration and projects at the School of Engineering and the Institute of Global Pandemic Planning.
 - Collaboration with the School of Engineering to invite researchers within and outside the University to participate in the Symposium on “Prospects and Challenges of Water and Wastewater Engineering for Community Health Interventions” 1st Edition held March 29th, 2023, supported by IAS.
 - Contributing to delivering lectures to fourth-year Civil Engineering and Humanitarian Engineering students taking the Global Water and Sanitation Technologies module.
 - Contributing to the Global and Sustainable Development workshop delivered for IATL’s Global Connections Module.
 - Guiding the fourth-year Civil Engineering and Humanitarian Engineering students at site visits to Wastewater treatment facilities at Severn Trent Derby, United Kingdom.
 - Guiding M.Sc. and Ph.D. students on their work on water/wastewater treatment materials at the School of Engineering.
 - Optimization and Characterization of the CAMATINFEKTANT 1, 2, and 3 products in collaboration with faculty members.
 - Creating a draft for an interdisciplinary water quality, pollution, and treatment module that can be offered at the postgraduate level or by the Centre for Lifelong Learning.
 - Supporting Ph.D. supervisor for a student at the Institute of Global Pandemic Planning, Warwick Medical School, Coventry, United Kingdom.
- (3) **Professor**, Department of Microbiology, University of Ilorin, Nigeria (October 2017 - Date)
Job description:

- Teaching different modules in the microbiology program for over 700 students per semester cutting across 6 departments. Courses taught at the undergraduate level include Optical Microbiology, General Microbiology, Medical and Veterinary Microbiology, Epidemiology and Public Health, Water and Sewage Microbiology, Immunology, Virology, Bacteriology, Research Project, Seminar and Research Methodology, among others. At the postgraduate level, courses taught include; Postgraduate Dissertation, Postgraduate Seminar, Environmental Management, Soil and Waste Microbiology, Fungal Diseases of Man and Other Animals, Advanced Immunology, and Bacterial and Viral Diseases of Man and Other Animals.
 - Designing teaching materials, marking scripts, and giving timely feedback to over 300 students per module.
 - Contributed to the design, development, and improvement of curriculum for undergraduate, and postgraduate programs (M.Sc. and Ph.D.) in Microbiology at the Faculty of Life Sciences, University of Ilorin, Nigeria.
 - Supervised 240 undergraduate and 65 graduate students and assessed 300 final year projects.
 - Conducting and invigilating examinations within the Faculty of Life Sciences and others.
 - Examination officer and coordinator with roles involving collating examination questions and moderation of results.
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|---------------------------------|-------------------------------|-------------------------------|
| (1) Associate Professor, | University of Ilorin, Nigeria | (October 2014 - 2017) |
| (2) Senior Lecturer, | University of Ilorin, Nigeria | (October 2011-September 2014) |
| (3) Lecturer I, | University of Ilorin, Nigeria | (October 2009-September 2011) |
| (4) Lecturer II, | University of Ilorin, Nigeria | (October 2005-September 2009) |

RESEARCH EXPERIENCE

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| (1) International Research Fellow, | University of Warwick, Coventry, UK | (2022 - 2024) |
| (2) Post-Doctoral Research Fellow, | University of Fort Hare, South Africa | (2011) |
| (3) Post-Doctoral Research Fellow, | Bernhard Nocht Institute for Tropical Medicine, Germany | (2009) |

OTHER RELEVANT EXPERIENCE

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| • Residential Supervisor, The Smallpeice Trust, United Kingdom | 2024 |
| • Consultant Virologist, World Health Organization | 2015 - Date |
| • Technical Consultant, Federal House of Representative Committee on Foods, and Drugs | 2024 |
| • National Coordinator, Poliovirus Laboratory Containment for Nigeria | 2015 -Date |
| • Member, Technical Working Group, National Environmental Surveillance, Nigeria | 2023 - Date |
| • Member, National Taskforce on Poliovirus Containment, Nigeria | 2015 -Date |
| • Member, Ministerial Expert Advisory Committee COVID-19 | 2020 - Date |
| • Member of Senate, University of Ilorin, Nigeria | 2014 - Date |
| • Director, Institute of Molecular Science and Biotechnology, University of Ilorin | 2017 -2020 |
| • Head, Department of Microbiology, University of Ilorin, Nigeria | 2014 - 2017 |
| • Licensed Member, Environmental Health Council of Nigeria. | 2020 - Date |
| • External Examiner and External Professorial Assessor to over 20 Universities in Nigeria and Africa. | 2017 - Date |
| • Certified, Nigerian National Code for Health Research Ethics. | 2018 - Date |
| • Licensed Member, Institute of Public Analyst of Nigeria (IPAN). | 2016 – Date |
| • Charter Member, National Association of Artificial Intelligence Practitioners | 2024 - Date |

HIGHEST-RANKED RESEARCH AND SCHOLARLY ACHIEVEMENTS IN THE LAST FIVE YEARS

1. **Biorisk Management, Seroprevalence and Genomic Epidemiological Microbial Contributions for Tailored Vaccines Development in Infectious Diseases Global Pandemic Planning**

Importance

Seroprevalence and genomic epidemiological studies on Respiratory Tract viruses (RTIs), Human Papillomavirus (HPV), Poliovirus, Zika virus, and Rubella virus play a pivotal role in addressing critical public health concerns. These investigations are essential for understanding the seroprevalence and genotypes of these viruses, enabling targeted interventions, and vaccine design, and informing real-time preventive strategies and control.

Impact

We documented 37 patents and novel contributions and 82 genomic microbial contributions to the NCBI, USA. Prevalence and dominance of respiratory viruses were reported among over 80% of children below the age of 5 years in Nigeria. Amongst the identified viruses included Respiratory Syncytial virus, Adenovirus, Poliovirus, Para-Influenza virus, and Coronavirus OC 229 E/NL63 for the first time in Nigeria which contributed to the understanding of the prevalence and impact of the viruses on treatment approach. Unveiling the genomic epidemiology of HPV contributes to understanding prevalence rates and identifying specific genotypes which is crucial for developing tailored vaccines and screening programs. The identification of the high-risk genotypes of HPV 31 and 35 not covered by the existing vaccines was a significant advancement in the understanding and treatment of cervical cancer in Nigerian women. We offer valuable insights for developing targeted prevention strategies, addressing Female Genital Mutilation, and exploring novel therapeutic approaches. We opined the efficacy of *Bridelia ferruginea* nanoparticles in inducing apoptosis and beneficial gene modulation in cervical cancer cells as well as Schiff base polyphenols exhibition of anticancer activities. We optimized the molecular detection protocols for Zika virus among serologically positive respondents with contributions of new strains in circulation from Nigeria thereby addressing the challenges of viral confirmation as well as identifying the associated significant risk factors for public health interventions. These contributions would further guide targeted healthcare interventions, vaccine design, and vaccination strategies.

Relevant Output

Published articles on Coronavirus and Poliovirus provided good insights into curtailing the transmission in Nigeria and Africa region. A diverse array of 19 HPV genotypes (12 high-risk and 7 low-risk) among Nigerian women was reported which is crucial for developing region-specific vaccines and screening programs. Anticancer capabilities of iron nanoparticles produced from the *Bridelia ferruginea* plant and synthetic Schiff base polyphenols are a breakthrough paving the way for the development of more novel therapeutic agents to effectively combat cervical cancer. Confirmation of Zika virus using optimized primers from multiple lineages is therefore advocated to overcome the challenges of false negativity from serological analysis. Also, the primer design for diagnosis of rubella virus using the NSP200 was confirmed revealing the replicative state of rubella infection in pregnant women for appropriate intervention. Genetic sequences of viral strains in Nigeria were deposited in the NCBI genomic bank to support the global surveillance of viruses of public health interest influencing policies, vaccination programs, and healthcare practices (several media interviews, UNILORIN Bulletin, Journals, Channels TV, Press releases and Newspaper blog).

2. Wastewater Epidemiology and Low Dosage Novel Bioflocculants [CAMATINFEKTANT 1, 2 & 3] treatment.

Importance:

We documented in Nigeria the epidemiological data of wastewater microflora to efficiently map the pathogenic (particularly Polioviruses) bio-community of the immediate environment to curb community transmission and address population immunity gaps from vaccination. Also, the undesirable human and environmental implications of chemical and synthetic flocculants in the process of wastewater treatment has warranted the need for safer and sustainable options that are potent, and non-toxic to both humans and the environment. **CAMATINFEKTANT 1, 2 & 3** are biologically produced macromolecules that perform similar functions using the principle of flocculation. It has a high Biological Oxygen Demand (BOD₅) removal

efficiency of 97% and minimum flocculating activity of 62%. Unlike the currently used chemical flocculants (Aluminium sulfate and Ferric chloride) that require a minimum of 5 g/ml effective dose, these products have a low-concentration effective-dose application of 0.2 mg/ml and a turn-around dissolution time of 30-50 minutes. It is efficient in flocs formation and sedimentation and dissolves readily upon application with no trace of smell or taste, which is uncommon with chemical flocculants. These novel products extracted from novel bacteria (Kolawole *et al.*, 2019, Kolawole *et al.*, 2020) have no health-related impact on humans and are biodegradable, eco-friendly, and easily accessible with low cost of production.

Impact:

A review of country water and wastewater indicators as well as treatment protocol is hereby advocated to provide real-time data to critical stakeholders for policy formulation and public health intervention via Water Sanitation and Hygiene (WASH) programs. Today, Nigeria uses wastewater sources in communities to track and detect non-polio enteroviruses (NPEV) transmission which often elude clinical diagnosis (AFP) in asymptomatic individuals. Also, **CAMATINFECTANT 1, 2 & 3** will have a significant impact on water resources management and environmental sustainability. Specifically, it will be a valuable substitute for use in wastewater treatment plants which will in turn reduce the concerns for trace chemicals in the treated wastewater before discharge into surface rivers as well as eliminate the presence of chemical-related emerging contaminants in the environment. This is an alternative product that is easy to use with low cost and could be applied in areas with no advanced technology, particularly in low- and medium-income countries where wastewater treatment facilities are costly to establish and expensive to use. Hence, due to its low cost, easy application, and safe usage (to both consumers and the environment), these products will be a suitable alternative to chemical and synthetic flocculants in both developing and developed countries.

Relevant output:

Our research has improved community and national surveillance, awareness, and preparedness for potential outbreaks of bacteria and viruses that have been classified as moderate to high water transmissible pathogens of public health significance by the World Health Organization. The pilot stage of the **CAMATINFECTANT 1, 2 & 3** has successfully reached the Technology Readiness Level Four (TRL 4), an international collaboration for product characterization at the University of Warwick, United Kingdom, products exhibited at Federal Ministry of Science and Technology-International Expo 2023, Abuja, Nigeria, several media interviews (UNILORIN Bulletin, Africa Hub Warwick, Press releases and Newspaper blog). Standardization and Optimisation process ongoing, nano-modification products development, scale-up and industrial production with commercialization drives is being planned. Plans are ongoing for submission for patent and journal publication.

3. FloccuCalc for Computation of Flocculating Activities for Industrial Processes.

Importance:

Introducing a groundbreaking application designed to revolutionize the determination of flocculating activity in water and wastewater analyses. This cutting-edge tool seamlessly integrates an embedded formula for precise calculations. The user-friendly interface allows researchers to effortlessly control inputs and add samples with a simple click of a button. The application's key feature lies in its dynamic functionality. As users insert control parameters, they can conveniently add multiple samples, streamlining the data input process. Once all relevant samples are incorporated, a single click on the 'Calculate' button triggers the application's artificial intelligence algorithms to swiftly process the data.

Impact:

The application presents comprehensive results, enhancing the efficiency of researchers working on flocculants for water and wastewater treatment. The output reveals the percentage of flocculating activity, providing a clear quantitative measure. Additionally, the tool automatically computes the mean, standard deviation, variance, and ANOVA, offering researchers valuable statistical insights into the performance of flocculant samples.

Relevant output:

This innovative calculator serves as an indispensable asset for researchers seeking to streamline and enhance the accuracy of flocculating activity assessments. By amalgamating advanced computational capabilities with user-friendly design, the application empowers researchers in water and wastewater analyses, contributing to advancements in environmental science and wastewater reuse. Plans are ongoing for submission for patent and journal publication.

RESEARCH LEADERSHIP AND FUNDING RECEIVED (GBP)

✓ Bill and Melinda Gates Foundation Grant Award: In Collaboration with Nigeria Center for Disease Control. Role: Co-Investigator, December 2023- December 2026 -	£3,603,203.76
✓ Wellcome Trust Grant Award: In Collaboration with Imperial College, London. Role: Co-Investigator, 2024 -2028 (42 months) -	£2,072,800.00
✓ Fellow, Institute of Advanced Study (IAS), University of Warwick, Coventry, United Kingdom. Role: Principal Investigator, 2022-2204	£8,520
✓ World Health Organisation, Africa Regional Office, (WHO AFRO) Grant on COVID-19 Seroprevalence Unity Study. Role: Principal Investigator, 2021-2022	£51,236
✓ Nigerian Institute of Medical Research Extramural Research Grant. Role: Co-Investigator, 2019-2022	£16,071
✓ National Science Foundation (NSF) Grant, New York University, USA. Role: Principal Investigator, 2017	£4,750
✓ Keystone Symposium Travel Grant, Bill and Melinda Gates Foundation. Role: Principal Investigator, 2016	£2,411
✓ Nigeria Tertiary Education Trust Fund (Institution Based Research TetFund). Role: Principal Investigator, 2015-2016	£8,035
✓ Third World Academy of Science (TWAS) Research Grant. Role: Co-Investigator, 2015-2016	£50,619
✓ CITA Petroleum Limited Research Grant. Role: Co-Investigator, 2014-2015	£80,332
✓ Bill and Melinda Gates Foundation Grant, Global Health Award. Role: Principal Investigator, 2012	£3,370
✓ Govan Mbeki Post-Doctoral Research Fellowship Grant. Role: Principal Investigator, 2011	£6,684
✓ Travel Grant to participate in AAU West African Network workshop on Research Methodology. Role: Principal Investigator, 2010	£1,607
✓ University of Ilorin, Central Senate Research Grant. Role: Co-Investigator, 2010/2011	£21,689
✓ University of Ilorin, Faculty Senate Research Grant. Role: Principal Investigator, 2010/2011	£1,607
✓ International Union of Microbiological Society (IUMS) Fellowship Grant. Role: Principal Investigator, 2009	£3,213

PATENTS AND NOVEL CONTRIBUTIONS

- (i) Patents & Novel Contributions: 37
- (ii) Other Contributions to World Genomic Bank (NCBI), USA: 82

RESEARCH COLLABORATIONS

1. Arbovirus seroprevalence project supported by Wellcome Trust Grant, in collaboration with Imperial College London, United Kingdom. Ongoing. **£2,072,800.00**
2. Environmental Surveillance Infectious Disease Project for Nigeria supported by Bill & Melinda Gates Foundation Grant, in collaboration with Nigeria Center for Disease Control. Ongoing. **£3,603,203.76**
3. Seroprevalence and genotypic characterization of Respiratory Viruses in children, in collaboration with New York University, USA. Ongoing.
4. Microbial source tracking of chemically polluted Asa River, Nigeria in collaboration with International Environmental Research Center, Republic of South Korea. Completed.
5. Phenotypic sampling of Plasmodium strains, in collaboration with Bernhard Nocht Institute for Tropical Medicine, Germany. Completed.

Current Research

- Seroprevalence and molecular characterization of RTIs and Viral hemorrhagic viruses in North Central Nigeria.
- Seroprevalence and genotypic characterization of Human Papillomavirus in North Central Nigeria
Seroprevalences and genotypic characterization of Zika and Rubella viruses in pregnant women attending antenatal clinics in North Central Nigeria.
- Wastewater surveillance and epidemiological genomic diversity of bacteria and viruses from Rivers in Ilorin, Nigeria.
- Screenings, characterization, and efficacy of Biofloculants in water treatment and wastewater reuse.

EDITORIAL AND REVIEWER EXPERIENCE

- Expert Reviewer, Science for Africa Foundation, Nairobi, Kenya
- Reviewer, National Universities Commission Core Curriculum Academic Standard for Nigeria.
- College Expert Reviewer, Africa Research Excellence Fund (AREF), Banjul, The Gambia.
- Reviewer, The Lancet Global Health
- Academic Editor - PLOS ONE
- Managing Editor - Nigerian Journal of Pure and Applied Sciences.
- Editor in Chief - Annals of Science and Technology.
- Reviewer - BMC Infectious Diseases, Pharmaceutical Biology, Journal of Medical Case Reports, Journal of Pediatric Infectious Diseases, PLOS ONE.

SOCIETY MEMBERSHIPS AND FELLOWSHIPS

- Fellow, Royal Society of Biology, United Kingdom
- Fellow, Nigerian Young Academy
- Fellow, Strategic Institute for Natural Resources and Human Development
- Fellow, Society for Environmental and Public Health Professionals of Nigeria (SEPHON)
- Member, American Society of Tropical Medicine and Hygiene, USA
- Member, Royal Society of Tropical Medicine and Hygiene, United Kingdom
- Member, University of Ilorin Technical Committee on HIV/AIDS
- Member, Nigerian Bioinformatics and Genomics Network
- Member, American Society for Microbiology, Washington D.C USA.
- Member, Nigerian Society for Microbiology

- Member, Science Association of Nigeria
- Member, Nigerian Society of Experimental Biology

SELECTED RECENT TRAINING PROGRAMS ATTENDED _____

- 9th May 2024 Infection Innovation Consortium: iiCON. Tackling Infections Novel Technologies UKRI Mini Sandpit held at Royal Institution, London, United Kingdom.
- 3rd May 2024 Carpentries Offline Training. REX3, Wolfson Research Exchange (Library, Floor 3), University of Warwick, Coventry, United Kingdom.
- 29th - 30th April 2024 Heads of Biosciences (HUBS) Annual Meeting 2024 held at Wellcome Collection, Euston, London. Organized by the Royal Society of Biology, United Kingdom. Title: Future Priorities for Biological Sciences in Higher Education.
- 18th April 2024 Bioscience Awarding Gap Workshop: Inclusive Assessments held at the University of Sheffield, United Kingdom
Organizer: Royal Society of Biology, United Kingdom.
- 8th March 2024 Technology and Language Barrier in Health Care Settings, EUTOPIA Language Weeks, University of Warwick, Coventry, United Kingdom.
- 22nd March 2023 World Water Day. Virtual Conference held at the University of Manchester, United Kingdom.
- 4th - 7th October 2022 Biodiversity Genomics. Africa Biogenome Network, Virtual Conference held at Hinxton Cambridge, United Kingdom.

CONFERENCE PRESENTATIONS 44

Invited speaker at scientific conferences, workshops, and public lectures on virology, infectious diseases, and water and wastewater surveillance.

Selected Recent Conference Presentations

- Keynote Speaker at the 3rd Biennial International Conference held at the Ajayi Crowther University, Oyo, Oyo state, Nigeria. Organizer: Faculty of Natural Sciences, Ajayi Crowther University, Oyo state, Nigeria
Title: Harnessing microbes for sustainable development: trends and insights for tomorrow. Date: 6-8th May 2024.
- Keynote Speaker at the High-Level Meeting to Review and Validate the Draft National Plan for Vaccine Research and Development and Local Production held at Four Palms Hotel, Abuja, Nigeria. Organized by the National Institute for Pharmaceutical Research and Development in conjunction with the European Union and Bulgarian Government. Title: The Role of Research and Development in Expediting Sustainable Access to Vaccines. Date: 21st November 2023.
- Guest Speaker at the Department of Infectious Disease and Epidemiology, Faculty of Medicine, Imperial College, London, United Kingdom held at Anthony de Rothschild Theatre. Title: Wastewater surveillance and viral epidemiology: the nexus in global pandemic planning. Date: 24th October 2023.
- Keynote Speaker at Symposium Lecture Delivered at the University of Warwick, United Kingdom. Titled: Environmental Surveillance in Global Poliovirus Eradication: A Case Study of Nigeria. Organizer: Institute of Advanced Study. Theme: Prospects and Challenges of Water and Wastewater Engineering for Community Health Interventions. March 29th, 2023.

UNDERGRADUATE/POSTGRADUATE SUPERVISION

Supervised and Graduated **15 Ph.D., 45 M.Sc., and 240 B.Sc.** students in the Department of Microbiology, University of Ilorin, Ilorin, Nigeria.

Ph.D. Students (Ongoing)

1. Ipadeola Abiodun Feyikemi Department of Microbiology Covenant University, Ota, Ogun state, Nigeria

- Topic:** Genomic studies of malaria-arbovirus co-infection among febrile patients in South-western states of Nigeria (2021 to date)
2. Seriki, Adebimpe Adetola Department of Microbiology University of Ilorin, Ilorin, Nigeria
Topic: Genotypic characterization of Dengue virus in South-western states, Nigeria. (2016 to date)
 3. Mohammed Adamu Saba Department of Microbiology University of Ilorin, Ilorin, Nigeria
Topic: Epidemiological investigations of antibiotics-resistant genes in nosocomial Enterobacteriaceae infection in selected health care facilities in Niger state, Nigeria. (2019 to date)

M.Sc. Students (Ongoing)

1. Martha Abagna Humanitarian Engineering University of Warwick, Coventry, United Kingdom
Topic: Consider Technology solutions for tracking and managing resources as well as averting community disease transmission in real-time in humanitarian aid. (2024)
2. Taiwo Omitoyin Humanitarian Engineering University of Warwick, Coventry, United Kingdom
Topic: Developing a comprehensive plan for improving water and sanitation infrastructure in a specific region of Nigeria. (2024)
3. Oyekunle Omotayo Department of Microbiology, University of Ilorin, Ilorin, Nigeria
Topic: Integration of Molecular and Artificial Intelligence-Based Analysis for Investigating Viral Evolution and Mutation Patterns of Chikungunya Virus in Kwara state, Nigeria. (2023-2024)

HONORS, PRIZES, AND AWARD

- Distinguished Professor Peter Okebukola Prize Award for Distinction in Project, Artificial Intelligence for Teaching, Research and Community Service in Higher Education, National Universities Commission, Nigeria April 2024
- Global Talent Migrant (With Work Permit) of the United Kingdom 2023-2028
- Global Exceptional Talent Endorsed by the Royal Society, United Kingdom 2023
- Nominee, American Society of Tropical Medicine, and Hygiene Distinguished International Fellow, USA 2023
- Outstanding Scientist Award, 3rd Recent Advances in Biotechnology Conference, Precious Cornerstone University, Ibadan, Nigeria 2023
- Institute of Advanced Study International Research Fellow, University of Warwick, Coventry, United Kingdom 2022-2024
- Member representing NTF on the Expert Review Committee for Poliovirus and Routine Immunization in Nigeria, Federal Ministry of Health 2021-Date
- Meritorious Award for Selfless Service in Biotechnology Feb, 24th 2020
- Inter-faculty 2nd Best Ph.D. Thesis, University of Ilorin, Nigeria 2005/2006
- Distinguished Graduate Award (OKETRACO), University of Ilorin, Ilorin, Nigeria 1997/1998
- Member, Technical Team, Joint Risk Assessment on Highly Pathogenic Avian Influenza (HPAI), Federal Ministry of Agriculture and Rural Development. 2023-Date
- Member, COVID-19 Pan-Okun People Relief Response Steering Committee 2020
- Chairperson, African Stem Cell Research Group, Affiliated to African Academy of Sciences 2014
- Member, UNILORIN Stem Cell Management Team Visitation to University of Wisconsin-Madison, USA 2014
- Member, African Regional Certification Commission Verification- Team in Nigeria for Polio Certification 2019-2020

- Member, Nigerian Society for Microbiology Think Tank- Committee on Infectious Diseases and Post-COVID-19 Response Plan 2020
- Vice Chairman, University of Ilorin Stem Cell Research Board 2015
- Chairman, Supervisory Committee, UNILORIN Scientific Multipurpose Cooperative Society 2012-2015
- Vice President, Nigerian Young Academy 2015 - 2017
- Acting Head, Department of Microbiology, University of Ilorin 2012 - 2014
- University Scholar, University of Ilorin, Nigeria 1993-1997
- University of Ilorin, Nigeria, Departmental Prize in Biological Sciences for Best Graduating Student 1997/98
- University of Ilorin, Nigeria, Olofinboba Prize in Biological Sciences for Best Graduating Student 1997/98
- Library Prefect, Ajara Grammar School, Badagry, Lagos State 1991/1992
- Inaugural Lecture: 190th Inaugural Lecture of the University of Ilorin. Titled: Transcending the Viral World: A Tale of Mimicry, Knockdown and Knockout. 2020

MEDIA:https://warwick.ac.uk/fac/cross_fac/igpp/ab101/ab103/;<https://warwick.ac.uk/global/africa/fellowship-water>;<https://warwick.ac.uk/fac/sci/eng/water-engineering-symposium/>;<https://www.imperial.ac.uk/events/168047/ide-seminar-series-prof-olatunji-kolawole/>

LINK TO PUBLICATIONS: <https://profolatunjikolawole.com/index.html>

He has published over 250 Research articles, Technical reports, and Conference presentations.

Referees

Will be provided on request.