

SENBADDEJO YETUNDE TOSIN

+233208486106 | +234 9033718237 | tosinoble@yahoo.com |

PROFILE SUMMARY

A research scientist with 6 years of working experience in laboratory and academic environment. Versatile and competence in performing quantitative research and data analysis. Skilled in working with a wide range of technical equipment, new processes, and innovative ideas to further studies. Experience teaching and supervising, running laboratory bench studies, communicating findings, and writing scientific reports. Displays outstanding ability to learn, plan, coordinate, and work well in a team to bring significant improvements in processes towards the successful attainment of goals. Determined to implement earned skills for rapid growth and development.

FORMAL EDUCATION

- **Ph.D. MOLECULAR AND CELL BIOLOGY OF INFECTIOUS DISEASES** | University of Ghana, Ghana | January 2022 – Present |
- **M.SC. ENVIRONMENTAL MICROBIOLOGY** | University of Ibadan, Ibadan, Nigeria | October 2014 – January 2016 |
- **B.SC. MICROBIOLOGY** | Fountain University, Osogbo, Nigeria | January 2008 – July 2011 |

SKILLS AND COMPETENCIES

- | | | | |
|--------------------------|----------------------------|---|------------------------|
| • Classical Microbiology | • Bioinformatics | • Microsoft Office package | • Supervisory skills |
| • Molecular Biology | • Data Collection/Analysis | • Teaching Skills | • Interpersonal Skills |
| • Genomics | | • Written and Verbal Communication skills | • Time Management |

PROFESSIONAL WORK EXPERIENCE

Lecturer II | DEPARTMENT OF MICROBIOLOGY, FOUNTAIN UNIVERSITY, NIGERIA | October 2019 - till Date |

- Collaborate with senior colleagues within College of Natural and Applied Sciences in setting up a Bioinformatics Network in the Institution.
- Participate as a member of Biological Sciences Department teaching team
- Teach, develop teaching materials, set and mark assignments and examination questions.
- Assess work and progress of student, provide advice, and supervise student projects under the guidance of Head of Department.
- Monitor and demonstrate laboratory experiments to students.
- Engage in team researches and administrative activities.

Volunteer | HELIX BIOGEN CONSULT, Ogbomoso, NIGERIA | December 2019 - till Date |

- Participate as a member of the team to facilitate basic Bioinformatics and Genomics trainings.
- Perform molecular biology-based research and analyze data.
- Organize academic events such as conference, seminars, trainings and workshops.

Assistant Lecturer | DEPARTMENT OF MICROBIOLOGY, FOUNTAIN UNIVERSITY, NIGERIA | October 2016– October 2019 |

- Delivered lectures and presentations in Faculty seminars and academic conferences.
- Exposed and performed analysis on synthesis, characterization and application of nanoparticles from agro wastes.
- Exposed to application of bioinformatics tools in drug design and vaccine construct, protein structures, similarity search, and phylogenetics analysis.
- Demonstrated experiments to undergraduate students in the laboratory.
- Trained on how to develop teaching materials, set examination questions and assessments and also teaching design and delivery.
- Reviewed and edited manuscripts.

Graduate Assistant | DEPARTMENT OF MICROBIOLOGY, FOUNTAIN UNIVERSITY, NIGERIA | October 2013 – October 2016 |

- Performed basic conventional and molecular biology-based investigations on microorganisms in clinical and environmental settings.
- Trained on how to write manuscripts for publications in credible journals.
- Trained on how to deliver lectures and presentations in academic settings.
- Organized Departmental minutes for meetings.
- Delivered tutorial lectures in basic biology courses.

Administrative Officer | CRESCENT UNIVERSITY, ABEOKUTA, NIGERIA | July 2011 – June 2012 |

- Organized minutes and prepare reports for Admission committee meetings.
- Processed admission and ensured students comply with admission requirements.
- Engaged in admission drive to increase number of students' intake.

SELECTED PUBLICATIONS

- Phyloevolutionary analysis of SARS-CoV-2 in Nigeria. *New Microbes and New Infections*. Awoyelu E.H., Oladipo E.K., Adetuyi B.O., **Senbadejo T.Y.**, Oyawoye M.O. and Oloke J.K. 2020 | <https://doi.org/10.1016/j.nmni.2020.100717>
- Structure-function Relationships of the 5-Oxoprolinase Subunit A: Guiding Biological Sciences Students Down The Path Less Travelled. *Biochemistry and Molecular Biology Education*. MUSE Oke, ONI Omobukola, BELLO Ronke, SAMUEL-OMOYAJOWO Kennedy and **SENBADEJO Y. Tosin** 2019 | <https://doi.org/10.1002/bmb.21300>
- Antimicrobial Activities of *Allium cepa* mediated Silver Nanoparticles against Clinical Isolates. *Science Focus* 23 (2): 130-139. **SENBADEJO, Y. Tosin**, GANIYU, O. Tajudeen and MUHAMMAD, A. Bunu 2018 | <https://sciencefocuslautech.org/journal.php?file=14>
- Antibiotic Susceptibility Patterns of *Pseudomonas* species Isolated from Clinical and Environmental Samples in Awba Dam, Ibadan, *Fountain Journal of Natural and Applied Sciences* 6 (2): 9-14. **SENBADEJO, Y. Tosin** and FAGADE, O. Ezekiel 2017 |

WORKSHOP/CONFERENCES/ SHORT COURSE TRAININGS

- Wellcome Genome Advanced Courses/ Antimicrobial Resistance in Bacterial Pathogens | 2 – 20th March, 2020
- Wellcome Genome Advanced Courses/ Disease Outbreaks and Antimicrobial Resistance | 1 – 17th April, 2020
- H3ABioNET Bioinformatics training, South Africa | Adeleke University Classroom, Nigeria | September - November, 2019 |
- Centre for Biomedical Science Research Bioinformatics training | Precious Cornerstone University, Nigeria | July–August, 2019 |
- International Centre for Genetic Engineering and Biotechnology (ICGEB) Bioinformatics training | Trieste, Italy | 23 – 29 June, 2019 |
- Workshop on synthesis, characterization and application of Nanoparticles | LAUTECH, Nigeria | 23 October, 2018
- International Conference on Nanotechnology, LAUTECH NANO 2018 | LAUTECH, Nigeria | 24 – 25 October 2018 |
- 40th Annual Conference and General Meeting of the Nigerian Society for Microbiology (NSM) | Bauchi, Nigeria | 4 – 7th December 2017 |
- 1st Annual Conference of Young Microbiologists | Babcock, Nigeria | 26 – 29 June, 2017

PRESENTATION AT CONFERENCE

- Lecture | Biosynthesis and Antimicrobial activities of *Allium cepa*-mediated silver nanoparticles against some clinical bacterial isolates | LAUTECH NANO 2018 |
- Lecture | Nutritional Quality Improvement Of Agrowaste By Solid State Fermentation Using *Rhizopus* Species | NSM Conference 2017 |
- Lecture | Antibiotic Susceptibility Patterns Of *Pseudomonas* Species Isolated From Clinical And Environmental Samples In Awba Dam, Ibadan | Young Microbiologists Conference 2017 |

ASSOCIATIONS


- Nigerian Society for Microbiology (NSM)
- American Society for Microbiology (ASM) Student **Member ID: 100022027**
- African Society for Bioinformatics and Computational Biology (ASBCB)
- International Society for Computational Biology (ISCB) **Member ID: 33897**

GRANT & SCHOLARSHIP

- West African Centre for Cell Biology of Infectious Pathogens | PhD Fellowship | 2022 |
- Dataquest's Covid-19 Financial Aid Scholarship | Introduction to programming in R | 2020 |
- International Centre for Genetic Engineering and Biotechnology Travel Grant | Bioinformatics training | 2019 |

REFERENCES

- Prof. Muse Oke
Department of Molecular Biology & Genetics,
Izmir Institute of Technology
Gulbance Campus, Urla, Izmir
3450, Turkiye,
muse_oke@yahoo.co.uk
234 (80) 8370 7457
+905357831653
- Dr. Oladipo E.K.
Helix Biogen Institute
Ogbomosho,



Nigeria
Koladipo2k3@yahoo.co.uk
234 (80) 3536 9472

- Dr. S.O. Jimoh
Fountain University, Osogbo
Osun State
Nigeria
Jimoh.simiat@fuo.edu.ng
2348077122762

PUBLICATION LINKS

1. <https://doi.org/10.1016/j.nmni.2020.100717>
2. <https://doi.org/10.1002/bmb.21300>
3. <https://sciencefocuslautech.org/journal.php?file=14>
4. <http://www.fountainjournals.com/index.php/FUJNAS/article/view/149>
5. <https://pubmed.ncbi.nlm.nih.gov/34031660/>
6. <https://pubmed.ncbi.nlm.nih.gov/34031660/>
7. <https://pubmed.ncbi.nlm.nih.gov/33043110/>
8. <https://link.springer.com/article/10.1007/s12033-021-00302-1>

