

CURRICULUM VITAE

I. PERSONAL INFORMATION

Full Name (Surname in Capital Letter): ADEBAMI, Gboyega Ebenezer
E-mail Address: gboyega.adebami@gmail.com; geadebami@mtu.edu.ng
Phone Numbers: +2348065538643, +2348056974263
Current Postal Address: Department of Biological Sciences, Mountain Top University, Ibafo, Ogun State, Nigeria.
Department: Biological Sciences
College: Basic and Applied Sciences

UNIVERSITY APPOINTMENTS

First Academic Appointment: January 4th 2016
Present Post (with date): Lecturer I/October 1st 2022
Date of Last promotion: October 1st 2022
Date last considered (in cases where promotion was not through) – nil

UNIVERSITY EDUCATION WITH DATES:

- University of Ibadan, Ibadan, Oyo State, Nigeria 2014 – 2021
- University of Ibadan, Ibadan, Oyo State, Nigeria 2011 – 2012
- Obafemi Awolowo University Ile-Ife, Osun State, Nigeria 2002 – 2007

ACADEMIC/PROFESSIONAL QUALIFICATIONS OBTAINED WITH DATES:

- **Doctor of Philosophy (Ph.D.) in Industrial Microbiology and Biotechnology**, University of Ibadan, Ibadan, Nigeria. October, 2021.
Grade: Ph.D
- **Master of Science (M.Sc.) in Industrial Microbiology**, University of Ibadan, Ibadan, Oyo State, Nigeria.
Grade: Ph.D grade; November, 2012.

- **Bachelor of Science (B.Sc.) Microbiology**, Obafemi Awolowo University Ile-Ife, Osun State, Nigeria.
Grade: Second Class Upper; January; 2008.
- **National Diploma** in Science Laboratory Technology, Federal Polytechnic Ede, Osun State, Nigeria.
Grade: Upper Credit; December, 2003.
- **Discharge certificate**, National Youth Service Corp, KN/IFE/08/384411; (August, 2009).
- West African Senior School Certificate (WAEC); (December, 2001).
- Primary School Leaving Certificate; (June, 1992).

AWARDS/FELLOWSHIPS & RESEARCH GRANTS

- ❖ Awardee of “The World Academic of Science for Research and Advanced Training (TWAS R&AT)” (2018 - 2019).
- ❖ Best presenter in Oral Session at National Conference on Recent Advances in Basic Science Research (NCRABSR-2018) (21st - 23rd December, 2018); Faculty of Life Sciences, Banasthali Vidyapith, Jaipur, Rajasthan, India.

WORKING EXPERIENCE/ DATE

- **Mountain Top University**, Kilometer 12, Lagos-Ibadan Expressway, Ibafo, Ogun State, Nigeria
Status:
 - Lecturer I (October 1st, 2022 – till date)
 - Lecturer II (October 1st, 2019 – September 30th 2022)
 - Assistant Lecturer (January 4th, 2016 – September 30th 2019)
- **College of Health Technology**, Department of Medical Laboratory Science, Ilesa, Osun State, Nigeria
Nature of Work: Lecturing; November, 2011 – January, 2013.
- **Obafemi Awolowo University Teaching Hospital**, Department of Microbiology/ Parasitology, Wesley Guild, Ilesa, Osun State
Nature of Work: Specimens Analyst (Industrial Training); April – July, 2006.
- **International Breweries Plc**, Quality Control Department, Omi-Asoro Ilesa, Osun State
Nature of Work: Samples Analyst (Industrial Training); July-November, 2002.

AREA OF SPECIALIZATION:

- ❖ Industrial Microbiology and Biotechnology/ Microbial Physiology & Bioenergy

RESEARCH FOCUS/INTEREST:

- ❖ Biofuel production with keen interest in biodiesel production from waste and non-edible feedstocks
- ❖ Genetic and metabolic engineering for strains improvement focusing on biofuel productions
- ❖ Nanoparticles biosynthesis from microbial strains
- ❖ Bioflocculant production, characterization and application for wastewater treatment
- ❖ Enzyme production, purification, immobilization, and characterizations
- ❖ Fungal technology
- ❖ Algal biodiesel

PUBLICATIONS

- i. Babalola B.A., Akinwande A.I., Otunba A.A., **Adebami G.E.**, Babalola O., and Nwuofu C. (2024). Therapeutic benefits of *Carica papaya*: A review on its pharmacological activities and characterization of papain. *Arabian Journal of Chemistry*. 17:105369. <https://doi.org/10.1016/j.arabjc.2023.105369>
- ii. Asemoloye M.D., Bello T.S., Oladoye P.O., Gbadamosi M., Babarinde S.O., **Adebami G.E.**, Olowe O.M., Temporiti M.E. and Wanek W. (2023). Engineered yeasts and lignocellulosic biomaterials: Shaping a new dimension for biorefinery and global bioeconomy. *Bioengineered*, 14:1, 2269328. <https://doi.org/10.1080/21655979.2023.2269328>
- iii. Ajiboye M.O., **Adebami G.E.**, Sanusi J.F. and Adebayo-Tayo B.C. (2023). Facile synthesis of silver and functionalized nanocrystals of *Bryophyllum pinnatum* and its nano-biotechnological potential. *Journal of Agriculture Science & Technology*. 22 (2), 34-53. <https://doi.org/10.4314/jagst.v22i2.4>.
- iv. Babalola B.A., Akinwande A.I., **Adebami G.E.**, Otunba A.A. (2023). Extraction, purification and characterization of papain cysteine-proteases from the leaves of *Carica papaya*. *Scientific African*. 19(4):e01538. 1-13. <https://doi.org/10.1016/j.sciaf.2022.e01538>.
- v. Adeniran, O.A., Sanusi, J.F., **Adebami, G.E.**, and Adebayo-Tayo, B.C. (2022): Antibacterial Effect of *Bacillus* species Biomolecules (Metabolites, Silver Nanoparticles, And Functionalized Silver Nanoparticles) Against Multi-Drug Resistance *Listeria* species. *Journal of Digital Innovations & Contemporary Research in Science, Engineering & Technology*. 10(3):17-32. <https://doi.org/10.22624/AIMS/DIGITAL/V10N3P2>.
- vi. **Adebami Gboyega E.**, Kuila Arindam, Ajunwa Obinna M., Fasiku Samuel A. and Asemoloye Michael D. (2021). Genetics and Metabolic Engineering of Yeast Strain Development for Efficient Ethanol

- vii. Adebayo-Tayo Bukola C., Olomitutu Francis O. and **Adebami Gboyega E.** (2021). Production and evaluation of probioticated mango juice using *Pediococcus pentosaceus* and *Pediococcus acidilactici* during storage at different temperature. *Journal of Agriculture and Food Research*. 6:1-10. <https://doi.org/10.1016/j.jafr.2021.100202>.
- viii. Babalola Benjamin A., **Adebami Gboyega E.** and Akinsuyi Samuel E. (2021). Mechanistic basis for Cancer Immune Evasion and role of immune checkpoint blockades in Immuno-Oncology. *Global Journal of Cancer Therapy*. 7(1): 035-042. <https://doi.org/10.17352/2581-5407.000040>.
- ix. **Adebami Gboyega E.**, Fasiku Samuel A., Solomon Oluwatomisola D. and Babalola Benjamin A. (2020). Physicochemical and Microbial Evaluations of Different Fish Ponds' Wastewaters and the Antibiotics Profiles of Isolated Bacteria. *Ethiopian Journal of Environmental Studies & Management*. 13(4): 509 – 521. <https://ejesm.org/doi/v13i4.11>.
- x. **Adebami Gboyega E.** and Adebayo-Tayo Bukola C. (2020). Development of cellulolytic strain by genetic engineering approach for enhanced cellulase production. *Genetic and Metabolic Engineering for Improved Biofuel Production from Lignocellulosic Biomass (Elsevier)*. Pg 103-136. <https://doi.org/10.1016/B978-0-12-817953-6.00008-7>.
- xi. Elizabeth Olawumi Oyebanji, Adedotun Adeyinka Adekunle, Herbert Alexander B. Coker and **Gboyega Ebenezer Adebami** (2018). Mycotic Loads' Determination of Non-Sterile Pharmaceuticals in Lagos State and 16s rDNA Identification of the Fungal Isolates. *Journal of Applied Pharmaceutical Research*. 6(2):16-28. <https://doi.org/10.18231/2348-0335.2018.0007>.
- xii. **Adebami Gboyega E.**, Adebayo-Tayo Bukola C. and Akinyugha Akinyemi A. (2017). Effect of Optimization of Cultural Parameters on Exobiopolymer Production by Microbial Isolates and their Application in Wastewater Treatment. *Microbiology Research Journal International*. 21(6): 1-15. <https://doi.org/10.9734/MRJI/2017/36307>.
- xiii. Adebayo-Tayo Bukola C. and **Adebami Gboyega E.** (2017). Production, Characterization of Biofloculants and Effect of cultural Condition on Biofloculant Produced by *Alcaligenes aquatilis* AP4. *Journal of Applied Life Sciences International*. 14(2): 1-12. <https://doi.org/10.9734/JALSI/2017/36453>.
- xiv. Adebayo-Tayo Bukola C. and **Adebami Gboyega E.** (2014). Production and Characterization of Biofloculant produced by *Bacillus clausii* NB2. *Innovative Romanian Food Biotechnology*. 14(2): 13-25
- xv. **Adebami Gboyega E.** and Adebayo-Tayo Bukola C. (2013). Comparative Effect of Medium Composition on Biofloculant Production by Microorganisms Isolated from Wastewater. *Report and Opinion*. 5(2): 46-53.

CONFERENCES/WORKSHOP ATTENDED WITH DATE/ PAPER PRESENTED

- ❖ **2nd CBAS Conference** *Titled:* “Unforeseen Covid-19 Distribution: Surmounting the Unintended Tension towards Economic Rejuvenation and Sustainable Development” (28th – 29th October, 2021). *Venue:* Mountain Top University, Kilometer 12, Lagos-Ibadan Expressway, Ibafo, Ogun State. Nigeria.

Papers presented:

- (1) Screening and production of lipases from *Trichoderma harzanium* using solid-state fermentation. Authored by: Adeboye T.M., **Adebami G.E.** and Ayoola P.O.
 - (2) Comparative study and effect of physico-chemical parameters on the lipases produced by *Trichoderma* sp., *Yarrowia* sp., and *Streptomyces* sp. Authored by: **Adebami G.E.**, Alabi A.O., Akindele B.O. and Abba P.O.
- ❖ 5th International Conference on *Scientific Research in Nigeria* (2nd – 5th May, 2023). *Venue* – Faculty of Science Auditorium, University of Ibadan, Ibadan. Nigeria.

Papers presented (Virtual):

- (1) Bio-esterification of Food Waste to Biodiesel Using Immobilized Fungal Lipase. **Authors:** **Adebami G.E.**, Adebayo-Tayo B.C., Kuila A. and Maloma M.R.
 - (2) Biosynthesized silver nanoparticles of *Bacillus subtilis* (BSNPS) abated the growth of pathogenic bacteria threatening public health. **Authors:** Ishola T.J., **Adebami G.E.**, Maloma M.R., Olukoya D.K., Abiala M.A.
- ❖ 21st Annual Scientific Conference and General Meeting, of the Society for Experimental Biology of Nigeria (NISEB) titled Experimental Biology: A panacea to achieving sustainable development goals in the post-pandemic era (30th August – 2nd Sept. 2022). *Venue:* Mountain Top University, Kilometer 12, Lagos-Ibadan Expressway, Ibafo, Ogun State. Nigeria.
Paper presented: Effect of acyl acceptor on biodiesel production from soybean cooking oil waste using immobilized *Aspergillus oryzae* lipase on glyoxyl-agarose support and characterization of the produced biodiesel. **Authors:** **Adebami G.E.**, Adebayo-Tayo B.C., Kuila A.

- ❖ 3rd International Conference on Entrepreneurship, 2021 *titled* “Entrepreneurship for Sustainable Development in the Digital Era” (3rd – 4th November, 2020). *Venue:* Mountain Top University, Kilometer 12, Lagos-Ibadan Expressway, Ibafo, Ogun State. Nigeria.

- ❖ 1st CBAS Conference *Titled:* “Unforeseen Covid-19 Distribution: Surmounting the Unintended Tension towards Economic Rejuvenation and Sustainable Development” (28th – 29th October, 2021). *Venue:* Mountain Top University, Kilometer 12, Lagos-Ibadan Expressway, Ibafo, Ogun State. Nigeria.

Papers presented:

- (1) Screening and production of lipases from *Trichoderma harzanium* using solid-state fermentation. Authored by: Adeboye T.M., **Adebami G.E.** and Ayoola P.O.

- (2) Comparative study and effect of physico-chemical parameters on the lipases produced by *Trichoderma* sp., *Yarrowia* sp., and *Streptomyces* sp. Authored by: **Adebami G.E.**, Alabi A.O., Akindele B.O. and Abba P.O.
- ❖ 2nd International Conference on Entrepreneurship, 2020 titled “Entrepreneurship as a Veritable Tool for Economic Sustainability in the COVID-19 Era” (14th – 15th October, 2020). *Venue*: Mountain Top University, Kilometer 12, Lagos-Ibadan Expressway, Ibafo, Ogun State. Nigeria.
 - ❖ International Conference on *Innovative Scientific Research and National Development* (20th – 23rd May, 2019). *Venue* – Faculty of Science Auditorium, University of Ibadan, Ibadan. Nigeria.
Paper presented: Production and Characterization of Biodiesel Produced from Waste Soybean Cooking oil (WSCO) by Immobilized *Fusarium equiseti* MSH2 Lipase. Authors: **Adebami G.E.**, Adebayo-Tayo B.C. and Kuila A.
 - ❖ National Conference on Recent Advances in Basic Science Research (NCRABSR-2018) (21st - 23rd December, 2018). *Venue*: Faculty of Life Sciences, Banasthali Vidyapith, Jaipur, Rajasthan, India.
Paper presented: Enzymatic Transesterification of Waste Cooking Oil for Biodiesel Production using Lipolytic Fungal isolate GH11. Authors: **Adebami G.E.**, Kuila A. and Adebayo-Tayo B.C.
 - ❖ Workshop on “National Life Science Entrepreneurship Awareness Programme” organized by the Centre for Cellular and Molecular Platform, India (2nd - 3rd August, 2018). *Venue*: Atal Incubation Centre, Banasthali Vidyapith, Jaipur, Rajasthan, India.
 - ❖ Workshop on “Grant Writing and Proposal Development” organized by Department of Biological Sciences, College of Basic and Applied Sciences, Mountain Top University (16th – 19th April, 2018). *Venue*: LTB Hall, College of Basic and Applied Sciences, Mountain Top University, Ogun State.
 - ❖ Workshop on Academic Writing and Publishing, organized by Enago Academy (12th December, 2017). *Venue*: University of Lagos, Nigeria.
 - ❖ 7th Annual Molecular Biology Hand-on-Training Workshop, Titled: *Protein Expression* (7th – 11th August, 2017). *Venue*: Molecular Biology & Biotechnology, Nigerian Institute of Medical Research, Yaba, Lagos, Nigeria.
 - ❖ Faculty of Science 2nd International Conference, University of Ibadan, titled “*Scientific Research and Innovation in Nigeria*” (16th – 20th March, 2015).
Venue – Faculty of Science Auditorium, University of Ibadan, Ibadan. Nigeria.
Paper presented: Characterization of Biofloculant Produced by *Streptomyces* Sp. Ap4. Authored by: **Adebami G.E.** and Adebayo-Tayo B.C.
 - ❖ Science Association of Nigeria (SAN) 49th Annual Conference titled “Exploiting Advancement in Science and Technology for National Security” (27th April – 1st May, 2014). *Venue* – University of Ilorin Auditorium, Ilorin, Nigeria.

Paper presented: Production and Characterization of Biofloculant produced by *Bacillus clausii* NB2. Authored by: **Adebami G.E.** and Adebayo-Tayo B.C.

ACTIVITIES WITHIN THE UNIVERSITY SYSTEM

- ❖ Deputy Director, Apprenticeship and Community Relations (Aug. 1st 2023 – July 30th 2024)
- ❖
- ❖ Assistant Coordinator, Internationalization and Development (Aug. 1st 2020 – July 30th 2023)
- ❖ SIWES Departmental Coordinator (2016 – till date)
- ❖ Microbiology Examination Officer (2019 – till date)
- ❖ College Maintenance Officer (2017 – 2019)
- ❖ Representative of Microbiology Programme in College Time-Table Committee (2019 – till date)
- ❖ Adviser, Nigerian Association of Microbiology Students (NAMS) (2018 – till date)
- ❖ Course Adviser to Microbiology Students (2016 – till date)

TRAINING

- ❖ **Introduction to Bioinformatics (IBT)** at Covenant University, Otta, Ogun State, sponsored by Pan African Bioinformatics Network for H3Africa (H3ABioNet), South Africa. November, 2019.
- ❖ **Capacity Building Retreat for Faculty and staff of Mountain Top University.** *Titled:* The role of Mountain Top University in the emerging New World. *Conducted by* Institute for National Transformation of Nigeria. 30th Sept – 2nd Oct. 2019.
- ❖ **Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI)**, Sponsored by Nigerian Communication Commission; 9th – 13th May, 2016.
Venue: Mountain Top University, Ogun State, Nigeria.
- ❖ **Post-Graduate Diploma in Computer Information Technology**, ISP Computer Institute, Kano, Kano State, Nigeria.
Grade: Upper Credit; June, 2009.
- ❖ **Peer Educator-Training Course, National Reproductive Health and HIV/AIDS, Prevention and Care Project** through the NYSC Scheme, Kano, Kano State; August, 2009.

BOOKS WRITTEN/HAND-OUT

- Introduction to Computer (Hand-out for Medical Lab. Technician Students)
- Computer packages (step by step methods for using Microsoft Word, Microsoft Excel and Microsoft PowerPoint).

SOCIETIES AND PROFESSIONAL ASSOCIATIONS

- American Society for Microbiology (ASM) -Member
- Society for Industrial Microbiology and Biotechnology (SIMB) -Member
- Society for Industrial Microbiology (SIM) -Member
- Science Association of Nigeria (SAN) -Member
- Nigerian Association of Microbiology (NAM) -Member
- microbiology

EXTRA CURRICULUM ACTIVITIES

Reading, writing and watching football

REFERENCE

- **PROF. A.A. ONILUDE**
Department of Microbiology, University of Ibadan, Ibadan, Oyo State, Nigeria.
E-mail: onealbee2000@yahoo.com
Phone no: +234 0803 335 1305
- **DR. ARINDAM KUILA**
Department of Bioscience & Biotechnology, DBT Centre for Bioinformatics, Banasthali University, Rajasthan, India.
E-mail: arindammcb@gmail.com
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- **DR. B.C. ADEBAYO-TAYO**
Senior Lecturer,
Department of Microbiology, University of Ibadan, Ibadan, Oyo State, Nigeria.
E-mail: bukola.tayo@gmail.com
Phone no: +234803 552 2409

RESEARCH NETWORKS:

- ◆ **ORCID:** <https://orcid.org/0000-0001-7768-8067>
- ◆ **GOOGLE SCHOLAR:** <https://scholar.google.com/citations?user=vitJK6AAAAAJ&hl=en&authuser=2>
- ◆ **RESEARCHGATE:** https://www.researchgate.net/profile/Gboyega_Adebami2
- ◆ **ACADEMIA:** <https://independent.academia.edu/GAdebami>
- ◆ **SCOPUS:** <https://www.scopus.com/freelookup/form/author.uri>
- ◆ **LINKEDIN:** <https://www.linkedin.com/in/gboyega-adebami-9aa6b7121>
- ◆ **KUDOS:** https://growkudos.com/profile/gboyega_adebami

- ◆ **MENDELEY:** https://www.mendeley.com/profiles/gboyega-ebenezer-adebami/?dgcid=Mendeley_Desktop_Profile