

# CURRICULUM VITAE

## 01. PERSONAL

- (i) Name in Full: **ABIBU** Wasiu Ayodele
- (ii) Date of Birth: May 05, 1991
- (iii) Place of Birth: Abeokuta, Ogun State
- (iv) Age: 34 years
- (v) Sex: Male
- (vi) Marital Status: Married
- (vii) Nationality: Nigerian
- (viii) Town and State of Origin: Abeokuta, Ogun State
- (ix) Contact Address: Department of Microbiology, Federal University of Agriculture, Abeokuta
- (x) Phone Number: +2348062169365
- (xi) E-mail Address: [abibu@funaab.edu.ng](mailto:abibu@funaab.edu.ng); wasiuabibu@yahoo.com
- (xii) Present Post: Lecturer I
- (xiii) Research gate: [Wasiu Abibu](#)
- (xiv) Google scholar: [Wasiu Ayodele Abibu - Google Scholar](#)
- (xv) ORCID: 0000-0002-1156-3779

## 02. EDUCATIONAL BACKGROUND

### (i) Educational Institutions Attended (with dates)

- a. Dokuz Eylul University, Izmir, Turkiye 2018-2023
- b. Federal University of Agriculture, Abeokuta, Ogun State 2014-2016
- c. Federal University of Agriculture, Abeokuta, Ogun State 2008-2012

### (ii) Academic and Professional Qualifications (with dates)

- a. Ph.D. Biotechnology 2023
- b. M.Sc. Environmental Microbiology 2016
- c. B.Sc. Microbiology 2012

### (iii) Prizes, Honours, National and International Recognition

- a. Academic invitation to lecture Doctoral students of Renewable energy in the University of Jaen, Spain 2025
- b. Academic merit award for First Class Doctoral degree in Biotechnology by Dokuz Eylul University, Izmir, Turkiye (3.95/4.00) 2023
- c. 3<sup>rd</sup> Best Presenter at the International Student Conference organized by Presidency for Turks abroad (YTB) Ankara, Istanbul 2021
- d. Turkish Government Ph.D Scholarship in Biotechnology 2018
- e. A.G Leventis Ph.D support scholarship for Egba indigenes 2018
- f. FUNAAB Senate Award for First Class BSc Graduates 2014

- 03. WORK EXPERIENCE**
- i. Lecturer I, Federal University of Agriculture, Abeokuta 2024 to Date
  - ii. Lecturer II, Federal University of Agriculture, Abeokuta 2021-2024
  - iii. Assistant Lecturer, Federal University of Agriculture, Abeokuta 2018-2021
- 04. SPECIAL ASSIGNMENTS/COMMUNITY SERVICE**
- a. Within the University**
- i. College representative to University sports 2024 to Date
  - ii. Secretary, Microbiology Department Academic Board 2024
  - iii. 100 Level Coordinator 2024
  - iv. Examination Officer, Department of Microbiology 2018 to Date
  - v. Member, College of Biosciences Board (COLBIOS) 2018 to Date
- b. Outside the University**
- i. Assistant Secretary, Governing board, Alhudah Group of Schools, Abeokuta, Ogun State 2018 to Date
  - ii. Secretary, Welfare Board for Nigerians in Izmir, Turkiye 2018 to Date
- 05. TRAINING PROGRAMME ATTENDED (with dates)**
- (i) A Day workshop on “Capacity building for academic staff (Graduate assistants to Senior lecturers) of Federal University of Agriculture, Abeokuta at Senate Red chamber, FUNAAB (June 25, 2024)
  - (ii) A Day Training for on “Writing a winning grant proposal” organised by College of Biosciences at Senate Green chamber, FUNAAB (June 11, 2024)
  - (iii) A Day Training for Middle level academic professionals organised by College of Biosciences at New Academic building, FUNAAB (May 16, 2024)
- 06. MEMBERSHIP OF PROFESSIONAL BODIES**
- (i) Turkish Society for Microbiology (TSM) 2019 to Date
  - (ii) Euroscience Open Forum (ESOF) 2013 to Date
  - (iii) British Safety Council (BSC) 2013 to Date
- 07. RESEARCH INTEREST OR COMMISSIONED PROJECTS**
- (i) **Completed (Starting with latest)**
    - a. Enhancing biobutanol production from organic wastes by manipulating biochemical reactions in the biobutanol pathway. 2023
  - (ii) **In Progress**
    - a. Simultaneous Acetone-Butanol-Ethanol (ABE) fermentation and

- biohydrogen production from organic wastes.
- b. Comprehensive study on Microbial dynamics on biohydrogen production

## 08. PUBLICATIONS

### (a). Thesis/Dissertation

- i. **Abibu, W.A. (2023).** Enhancing biobutanol production from organic wastes by manipulating biochemical reactions in the biobutanol pathway. Department of Biotechnology, Dokuz Eylul University, Izmir, Turkiye. **Ph.D. Thesis.**
- ii. **Abibu, W.A. (2016).** Microbial dynamics and biogas production from Co-digestion of Cow dung and Rice husk. Department of Microbiology, Federal University of Agriculture, Abeokuta, Ogun State. **M.Sc. Dissertation.**
- iii. **Abibu, W.A. (2012).** Microbiological safety evaluation of Ready –To- Eat (RTE) pineapple and pawpaw sold in Abeokuta. Department of Microbiology, Federal University of Agriculture, Abeokuta, Ogun State. **B.Sc. Project.**

### (b). Journal Articles in Print

1. Hamzat- Akinwande, O. T. H., Owolade, O. F., Salau, A. W., & **Abibu, W. A.** (2025). Characterization of Potentially Mycotoxigenic Fungi Associated with Cowpea (*Vigna unguiculata* L. Walp) Seeds from Ogun West Markets. *Nigerian Journal of Biotechnology*, 42(2), 176–194. <https://doi.org/10.5281/zenodo.18057896>
2. **Abibu, W. A.**, Karapinar, I., Yunusa, U. M., Sirajudeen, A. O., & Ibrahim, S. (2025). Effects of divalent cations and electron mediators on acetone–butanol–ethanol (ABE) fermentation of *Ficus carica*. *Biofuels*, 1–20. <https://doi.org/10.1080/17597269.2025.2551381>
3. Karapinar, İ., Dalak, M., & **Abibu, W. A.** (2025). Optimization of peach pulp residue hydrolysis by acid-assisted microwave. *Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi*, 31(3), 428-434.
4. **Abibu, W. A.**, Karapinar, I., Yunusa, U. M., Sirajudeen, A. A. O., Ibrahim, S., Sakariyau, A. W. O., & Ojesola, C. (2024). Effect of Substrate Concentration on Simultaneous Acetone-Butanol-Ethanol Fermentation and Biohydrogen Production from Fig (*Ficus carica*). *Journal of Renewable Energy and Environment (JREE)*, 12(4), 1-8. <https://doi.org/10.30501/jree.2025.511732.2303>
5. **Abibu, W.**, Kaya, M., Karadas, Y., & Karapinar, I. (2024). Effect of Media Composition on Biohydrogen Production from Fig (*Ficus carica*) by Dark Fermentation. *Nigerian Journal of Biotechnology*, 41(1), 7–16. <https://doi.org/10.4314/njb.v41i1.2>
6. **Abibu, W. A.** and Karapinar, I. (2024). Effect of metals on simultaneous ABE fermentation and biohydrogen production from Fig (*Ficus carica*) via Plackett Burman experimental design. *Biomass Conversion and Biorefinery*. 14; 1305–1315. Available online at <https://doi.org/10.1007/s13399-023-04886-3>
7. **Abibu, W. A.** and Karapinar, I. (2024). Effects of low and elevated Sodium ion concentrations on Acetone-Butanol-Ethanol (ABE) fermentation and Biohydrogen production from Waste Fig (*Ficus carica*). *Journal of Natural Science, Engineering and Technology*. 23 (1): 1–15
8. **Abibu, W. A.**, Onigbinde, S. B., Abubakar, D. S and Aborode, A. T. (2024). Medical Significance of

- Camel Urine and Camel Milk: A review. *Jewel Journal of Scientific Research*. 9(1&2): 13–25
9. Sirajudeen, A. O., Ibrahim, S., Adediji, A.S., Hussein, M.Y and **Abibu, W.A.** (2024). Isolation of Exoelectrogenic Bacteria from Palm Oil Mill Effluent and Their Application in Microbial Fuel Cell. *Nigerian Journal of Biotechnology*. 41(1): 110-120. Available online at <https://dx.doi.org/10.4314/njb.v41i1.12>
  10. **Abibu, W. A.** and Karapinar, I. (2023). Optimization of Pretreatment conditions of Fig (*Ficus carica*) using autoclave and microwave treatments. *Biomass Conversion and Biorefinery*. 13; 11229–11243.. Available online at <https://doi.org/10.1007/s13399-022-02688-7>
  11. **Abibu, W.A**, Bamigbade, G., Oyebisi, K.A., Sakariyau, A.O. and Ajayi, T.A. (2021). Current trends in steroidal 17-alpha ethynylestradiol expulsion from the environment: a review. *Applied Environmental Research*. 43 (2); 130-158. Available online at <https://doi.org/10.35762/AER.2021.43.2.10>
  12. Nwachukwu, B.C., Taiwo, M.O., Olisemeke, J.K., Obero, O.J. and **Abibu, W.A.** (2019). Qualitative Properties and Antibacterial Activity of Essential Oil obtained from *Citrus sinensis* Peel on Three Selected Bacteria. *Biomedical Journal of Science & Technological Research*. 19 (4); 14427-14432. Available online at <https://doi.org/10.26717/BJSTR.2019.19.003323>
  13. Akintokun, A.K., **Abibu, W.A.** and Oyatoogun, M.O. (2017). Isolation and Characterization of microorganisms with hydrolytic profiles during anaerobic digestion of cow dung and rice husk. *Journal of Natural Sciences Research*. 7 (5); 20-30. Available online at <https://www.iiste.org/Journals/index.php/JNSR/article/view/36189>
  14. Akintokun, A.K., **Abibu, W.A.** and Oyatoogun, M.O. (2017). Microbial Dynamics and Biogas production during Single and Co-digestion of Cow dung and Rice husk. *Applied Environmental Research*. 39 (2); 67 – 76. Available online at DOI: <https://doi.org/10.35762/AER.2017.39.2.6>
  15. Afolabi, O.R., Oloyede, R.A., **Abibu, W. A.** and Adeyanju, A. (2015). Microbial Safety of Polythene Packaged Sliced fruits sold in Abeokuta, South-West Nigeria. *Journal of Natural Sciences Research*. 5 (13); 16-21. Available online at <https://iiste.org/Journals/index.php/JNSR/article/view/24299>.

**c. Articles Accepted for Publication**

**d. Edited Conference Proceedings**

16. **Abibu, W.A.**, Oyebisi, A.K., Sakariyau, A.O., Bamigbade, G.B., Oyelami, O.I. and Aqib, J. (2023). Antibiotics abuse: A common phenomenon in Nigeria and Pakistan. **Proceedings of 7<sup>th</sup> International Student Science Congress**, Izmir Katip Celebi University, Izmir, Turkiye. Edited by Izmir Kâtip Çelebi University Press. Available online at <https://doi.org/10.52460/issc.2023.011>
17. **Abibu, W. A.** and Karapinar, I. (2023). Fig (*Ficus carica*) valorization via ABE Fermentation into Organic Acids and Solvents. **Proceedings of 7<sup>th</sup> International Student Science**

**Congress**, Izmir Katip Celebi University, Izmir, Turkiye. Edited by İzmir Kâtip Çelebi University Press. Available online at <https://doi.org/10.52460/issc.2023.012>

18. **Abibu, W.A.**, Bamigbade, G.B., Sakariyau, A.O., Oyebisi, A.K., Janay A.I., Aqib J. and Oyelami, O.I. (2022). Organoleptic and Medicinal Properties of Camel Urine and Camel Milk. **Proceedings of 6<sup>th</sup> International Student Science Congress**, Izmir Katip Celebi University, Izmir, Turkiye. Edited by İzmir Kâtip Çelebi University Press, 1-9. Available online at <https://doi.org/10.52460/issc.2022.028>
19. **Abibu, W.A.**, Sakariyau, A.O., Bamigbade, G.B., Oyebisi, A.K. and Ogunsola, I. (2021). Consumer perception of Ready-To-Eat fruits sold in Ogun and Lagos, Nigeria during the Covid-19 pandemic. **Proceedings of 5<sup>th</sup> International Student Science Congress**, Izmir Katip Celebi University, Izmir, Turkiye. Edited by İzmir Kâtip Çelebi University Press, 1-9. Available online <https://sciencecon.org/consumer-perception-of-ready-to-eat-fruits-sold-in-ogun-and-lagos-nigeria-during-the-covid-19-pandemic-abibu-bamigbade-oyebisi-ogunsola-sakariyau/>
20. **Abibu, W.A.**, Yunusa, U.M., Bamigbade, G.B. and Olayinka, H.O. (2019). Animal Zoonoses: Will Africa ever win the fight?. **Proceedings of 3<sup>rd</sup> International Student Science Congress**, Izmir Katip Celebi University, Izmir, Turkiye. Edited by İzmir Kâtip Çelebi University Press, 55-65. Available online at <https://sciencecon.org/2019-proceedingsbook/>

**e. Book chapters**

21. Karapinar, I., Yunusa, U.M. and **Abibu, W. A.** (2024). Biofuel production: Fundamentals and Challenges. Elsevier Comprehensive Energy Systems, 2nd Edition
22. Karapinar, I., **Abibu, W. A.**, and Argun, H. (2024). Hydrogen production: Biological methods. Elsevier Comprehensive Energy Systems, 2nd Edition

**9. MAJOR CONFERENCES ATTENDED WITH PAPERS READ**

- a. **Abibu, W. A.**, Karapinar, I. and Sa'Id, A.O. (2025). Enhancing Acetone-Butanol-Ethanol (ABE) fermentation products through fermentation media optimization: The impact of nitrogen sources, yeast extract, and l-cysteine concentration. FUNAAB HUMBOLDT KOLLEG, September 22-24, Federal University of Agriculture, Abeokuta.
- b. Karapinar, I. and **Abibu, W. A.** (2024). Bioprocesses strategies to enhance Biobutanol production via Acetone-Butanol-Ethanol (ABE) fermentation. WIRE's 6th WG Workshop, Novi Sad, 10-11 October 2024.
- c. **Abibu, W. A.**, Kaya, M., Karadas, Y. and Karapinar, I. (2022). Batch Dark Fermentative Biohydrogen production from Fig fruit: The Effect of C/N ratio. 23<sup>rd</sup> World Hydrogen Energy Conference (WHEC), June 26-30, Istanbul, Turkiye.

**10. EXTRA CURRICULAR ACTIVITIES**

Travelling, Sports

**11. REFEREES**

- a. Prof. Dr. Ilgi. Karapinar  
Department of Environmental Engineering,  
Dokuz Eylul University.  
[ilgi.karapinar@deu.edu.tr](mailto:ilgi.karapinar@deu.edu.tr)
- b. Prof. S.A. Balogun  
Department of Microbiology,  
Federal University of Agriculture, Abeokuta.  
[balogunsa33@hotmail.com](mailto:balogunsa33@hotmail.com)
- c. Prof. S.O. Kareem  
Department of Microbiology,  
Federal University of Agriculture, Abeokuta.  
[kareemso@funaab.edu.ng](mailto:kareemso@funaab.edu.ng)