

CURRICULUM VITAE

- I. (a). Name: Abolaji Abiodun Mafolasire
(b). Date of Birth: 07 April, 1985
(c). Department: Chemistry
(d). Faculty: Science
- II. (a). First Academic Appointment: Assistant Lecturer (25 January, 2023)
(b). Present Post (with dates): Assistant Lecturer (25 January, 2023)
(c). Date of Last Promotion: Not Applicable
(d). Date Last Considered (in cases where promotion was not through): Not Applicable
- III. University Education (with dates):
(a) Ladoke Akintola University of Technology, Ogbomosho. 2005 – 2010
(b) University of Ibadan, Ibadan. 2013 – 2014
(c) University of Ibadan, Ibadan. 2016 - 2021
- IV. Academic Qualification (with dates and granting bodies):
(a) B.Tech. (Pure and Applied Chemistry) LAUTECH 2010
(b) M. Sc. (Industrial Chemistry) University of Ibadan 2014
(c) M.Phil. (Industrial Chemistry) University of Ibadan 2021
- V. Professional Qualification and Diplomas: Nil
- VI. Scholarships, Fellowships and Prizes (with dates) in Respect of Undergraduate and Postgraduate work only:
(a) Oyo State Government Scholarship for Indigenous University Students with higher CGPA. 2009
- VII. Honour, Distinctions and Membership of Learned Societies:
(a) Chemical Society of Nigeria (CSN)
- VIII. Details of Teaching/Work Experience:
(a) Work Experience
i. Chemistry Tutor, Educational Advancement Centre, Ibadan. 2015 – 2016
ii. Chemistry Tutor, Mastercare International School of Advanced and Remedial Studies, Asaba. 2016 – 2018
iii. Adjunct Lecturer, Chemistry Department, Oyo state College of Education, Lanlate. 2019 – 2022

(b) Teaching Experience
(i) Undergraduate
CHE 191 (100 level Practical Chemistry) 2021/22 to 2022/23 (Eleven (11) lecturers)
ICH 226 (Chemical Raw Materials I) 2021/22 to 2022/23 (Three (3) lecturers)
ICH 266 (Chemical Raw Material II) 2021/22 to 2022/23 (Three (3) lecturers)
CHE 299 (Industrial Attachment) 2021/22 to 2022/23 (All lecturers)

ICH 349 (Industrial Chemistry Laboratory II) 2021/22 to 2022/23 (Two (2) lecturers)

ICH 366 (Petrochemicals, Utilization of Wastes and Industrial Polymers) (Three (3) lecturers)

ICH 387 (Colour Chemistry and Technology) 2021/22 (Three (3) lecturers)

ICH 481 (Selected Topics in Industrial Chemistry) 2021/22 to 2022/23 (Three (3) lecturers)

(ii) Postgraduate: Nil

(iii) Research Supervision

Completed:

B.Sc. – 4

Ongoing:

B.Sc. – 4

(c). Administrative responsibilities:

(a) Member, Departmental Committee on Undergraduate Examination 2023 – date

IX. Research:

(a) Completed:

- i. Production and characterization of *Nypa fruitican* reinforced low-density polyethylene composite.
- ii. Production and characterization of *Greenwayodendron suaveolens* reinforced low-density polyethylene biocomposites.

(b) In progress:

Photocatalytic degradation of isobutylparabens in wastewater using cellulose nanocrystals-TiO₂-doped zinc oxide nanocomposite prepared from microcrystalline cellulose. The work targets the complete mineralization of emerging pollutants such as parabens, which are currently posing a great threat to the well-being of the ecosystem. Cellulose nanocrystals have been synthesized, which a carrier for the photocatalyst, TiO₂-doped ZnO. However, the cellulose nanocrystals themselves possess adsorptive properties for some contaminants. The work began in 2022 and is expected to be completed by March 2025.

(c) Projects, Dissertation and Thesis:

- i. **Mafolasire, A. A.** (2014). “Production and characterization of *Nypa fruitican* reinforced low-density polyethylene composite”. MSc Project; University of Ibadan, Ibadan.
- iii. **Mafolasire, A. A.** (2021). “Production and characterization of *Greenwayodendron suaveolens* reinforced low-density polyethylene biocomposites”. M.Phil Dissertation; University of Ibadan, Ibadan.

X. Publications:

(a) Books already published:

(b) Chapter in book already published:

- (i) Timothy O. Ajiboye, **Abolaji A. Mafolasire**, Grace O. Akinsola, Israel A. Ogunsumi, Titilope T. Ajiboye and Sabelo D. Mhlanga. (2023). Elimination of Diphenyl Organochlorine Pesticides from environmental samples through adsorption and Microbial Degradation. *Advances in Environmental Research. Nova Science Publishers, Inc. New York, USA.* Chapter ID: 79223; Book ID: 23716; Vol. 95. Chapter 5.

(c) Articles that have already appeared in Referred Conference Proceedings:

- Ogunsile, O. B. and **Mafolasire, A. A.** (2016). Production and characterization of *Nypa fruticosa* reinforced low-density polyethylene composites. *Journal of Science Research.* University of Ibadan. Volume 15, 2016, pp. 23-30.

(d) Patents and Copyrights:

Nil

(e) Articles that have already appeared in learned journals:

- i. Timothy O. Ajiboye, **Abolaji A. Mafolasire**, Sawunyama Lawrence, Nandipha Tyhali, Sabelo D. Mhlanga (2023). Composite and pristine silver bismuth sulphide: Synthesis and up-to-date applications. *Journal of Inorganic and Organometallic Polymers and Materials, Springer Nature.* doi.org/10.1007/s10904-023-02838-y.
- ii. Ogunsile, O. B. and **Mafolasire, A. A.** (2016). Production and characterization of *Nypa fruticosa* reinforced low-density polyethylene composites. *Journal of Science Research.* University of Ibadan. Volume 15, 2016, pp. 23-30.

(f) Books, Chapters in Books and Articles already accepted for publication:

- i. Ajiboye, Timothy; **Mafolasire, Abolaji**; Olasupo, Ayo; Onwudiwe, Damian; Rasheed-Adeleke, Azeezat (2024). Heteroatom-doped Carbon Allotropes in the Removal of Organic Pollutants from Water. *Heteroatom-Doped Carbon Allotropes: Progress in Synthesis, Characterization, and Applications.* American Chemical Society Books. Manuscript ID: bk-2024-00015m.R2 (*In press*).
- ii. Timothy Oladiran Ajiboye, **Abolaji A. Mafolasire**, Clement Aruada, Olutobi Ogunbiyi, Subhendu Dhibah, Lebea N. Nthunya. (2024). Updates on the materials for desulphurization of thiophene, benzothiophene, and dibenzothiophene. *Discover Applied Sciences; Springer Nature.* Manuscript Submission ID a6d1d1b2-1270-4e35-864a-fc2825be7764 (*in press*).

(g) Technical Reports and Monographs:

Nil

XI. Major Conferences attended with Papers Read:

- i. Moregreen Plus/TASUED 5-day virtual conference and inter-university competition on Green Chemistry (VCNIUC-2024). May 20-24, 2024.
Paper read: Nil
- ii. Scientific Research and Innovation in Nigeria, 2nd International Conference on Scientific Research and Innovation (University of Ibadan, 2015) March 16 - 20, 2015.
Paper read: Production and Characterization of *Nypa fruitican* reinforced Low-density polyethylene composites.
- iii. Covenant University 1st International Conference of Chemists CUCIC-2014, "TURNING THE KNOWLEDGE OF SCIENCE INTO DEVELOPMENT". July 9-10, 2014.
Paper read: Nil