

UNIVERSITY OF MEDICAL SCIENCES, LAJE ROAD, ONDO CITY, ONDO STATE



Curriculum vitae for ASOWATA-AYODELE Abiola Mojisola

A. PERSONAL DATA

1. **Full Name (Surname first):** ASOWATA-AYODELE Abiola Mojisola
(nee AYODELE)
2. **Date of Birth:** 26th October, 1983
3. **Details of Contact Address:**
 - a) E-mail addresses: mojiayodele83@yahoo.com
mojisolaasowata@gmail.com
mayodeleasowata@unimed.edu.ng
 - b) Mobile Phone numbers: +234-8110832776 (Call only)
+234-8175809120 (What app only)
4. **Nationality:** Nigerian
5. **State of Origin:** Ondo State
6. **Senatorial District:** Ose / Owo Senatorial District
7. **Local Government Area:** Ose Local Government
8. **Permanent Home Address:** 11B, Awule GRA, FUTA Road, Akure,
Ondo State.
9. **Marital Status:** Married
10. **No. of Children & their Ages:** Three /9+ years, 5+ years & 4+ months
11. **Name of next of Kin:** Dr. Timothy Iyobosa Asowata
12. **Details of Contact Address of Next of Kin:**
 - a) Email address: timoti4x@yahoo.com
 - b) Mobile Phone number: +234-8065348350
13. **Date of Assumption of Duty:** 4th of June, 2019
14. **Rank/ status on First Appointment:** Lecturer 1/ Full Time
15. **Present Status:** Lecturer 1
16. **Date of Last Promotion:**
17. **Present Salary, Grade level & Step:** CONUASS 4 Step 6
18. **Date of Confirmation:**
19. **Faculty/ Directorate:** Faculty of Science
20. **Department/ Unit:** Biological Sciences /Plant Biology &
Biotechnology
21. **ORCID & Google Scholar ID:** <https://orcid.org/0000-0002-9531-1105>
<https://scholar.google.com/citations?user=I7QOpnkAAAAJ&hl=en>

B. Educational Background:

i. Higher Educational institutions attended with Dates:

- University of Fort Hare, Alice, South Africa 2014- 2016
- University of Ibadan, Ibadan, Nigeria 2007-2009
- Obafemi Awolowo University, Ile-Ife, Nigeria 2001 – 2005
- St. Raphael’s Kiddies School, Ondo, Nigeria 1989-1994

ii. Academic and Professional Qualification:

- Doctor of philosophy in Botany (Ph.D. Botany) 2016
- Master of Science in Botany (M.Sc. Botany) 2009
- Bachelor of Education in Biology (B.Ed. Biology) 2005
- Senior Secondary School Certificate Examination (NECO) 2000
- First School leaving Certificate 1994

C. Work Experience with dates

i. Work experience within University of Medical Sciences, Ondo:

Teaching; Courses taught within the University since appointment in 2019 to 2022 (Lecturer I; Department of Biological Sciences; Plant Biotechnology Unit).

i. Courses taught within current Semester 2021/2022 session

BIO 121...General principles of Biology 2
PBT 221...Seeds plant
BIO 222...Introductory ecology
PBT 322...Medicinal plants
PBT 324...Plant Ecology
PBT 326...Metabolic plant physiology

i. Courses taught in first Semester 2021/2022 session

PBT 314....Plant Breeding
PBT 313...Plant Physiology 1
PBT 212...Introductory to Biotechnology
STB 214...Introductory to Botany
PBT 413...Plant Reproduction

ii. Courses taught in Second Semester 2020/2021 session

BIO 121...General principles of Biology 2
BIO 222...Introductory Ecology
PBT 211...Seedless plants
PBT 411...Economic botany
PBT 322...Medicinal plants
PBT 325...Plant Ecology

iii. Courses taught in First Semester 2020/2021 Session

BIO 111- General principles of Biology I
PBT 314- Plant Breeding

- PBT 313- Plant Physiology 1
PBT 411- Economic Botany
- iv. Courses taught in First Semester 2019/2020 Session**
 BIO 111- General principles of Biology I
 BIO 212- Biological techniques
 PBT 211- Seedless plants
 PBT 212- Introduction to Biotechnology
 PBT 311-Molecular Genetics
 PBT 314- Plant Breeding
- v. Courses taught in Second Semester 2019/2020 Session:**
 BIO 121- General Principles of Biology II
 BIO 222- Introductory Ecology
 BIO 314- General Ecology
 PBT 221- Biology of Seed Plants
 PBT 322- Medicinal Plants
 PBT 325- Plant Ecology
- vi. Courses taught in Second Semester 2018 /2019 Session:**
 BIO 121-General principles of Biology 2
 BIO 222-Introductory Ecology
 PBT 221-Seed plants
- Elizade University, Ilara Mokin, Ondo State. Teaching; Lecturer I; Department of Biological Sciences; Plant Biotechnology Unit; 2017/2018 Second Semester Session; 2018/2019 First Semester Session.
- vii. Courses taught in Second Semester 2017 /2018 Session:**
 BIO 202- Ecology 1
 BIO 204- Biological techniques
 BIO 311- Ecosystem
 BIO 411- Systematic Biology
 BTH 412- Animal cell culture
 BTH 416- Bio-resources management
 BTH 408-Biosafety & Bioethics
- viii. Courses taught in First Semester 2018 /2019 Session:**
 BIO 209- Seedless plants
 BTH 305-Plant Biotechnology
 BTH 307- Plant tissue culture
 EMT 314-Landscape design
- Wesley University, Ondo, Ondo State; Teaching; Assistant Lecturer, Lecturer II and I ; Department of Biological Sciences, Plant Biotechnology Unit, College of Natural and Applied Sciences.

ix. Full Academic Session 2011 / 2012– First Semester 2017/ 2018 Session:

BIO 206- Introduction to Ethnobiology
BIO 211- Cell Biology
BIO 204- Principles of Biological Techniques
BIO 317- Plant Anatomy
BIO 363- Animal and Plant Ecology
BIO 364- Biostatistics and Biometry
BIO 482- Conservation Biology, Human and Population Genetics

x. Current Undergraduate supervision- 2 students.

Previous work experience outside the University System with Dates:

i. NYSC Secondary School, Calabar (Biology Teacher) 2006-2007

D. ACADEMIC PUBLICATIONS:

A. Thesis / Dissertation:

- i. **Asowata-Ayodele A.M.**, (2016) Pharmacological studies of *Foeniculum vulgare* (Mill.) and *Lippia javanica* (Burm. F.) Spreng. used as spices in Nkonkobe Municipality of the Eastern Cape province, South Africa. **AM Asowata-Ayodele Ph.D thesis** in University of Fort Hare.(Supervisor: **Prof. Anthony Jide Afolayan**)
- ii. **Ayodele A.M.**, (2009) Ethnomedicinal study of debarked medicinal trees in University of Ibadan, submitted to the Department of Botany, Faculty of Science, University of Ibadan, Ibadan, Oyo State, Nigeria (**M.Sc. thesis**). Supervisor: **Prof. Taiye R. Fasola**.
- iii. **Ayodele A.M.**, (2005) Causes of students' riot among Universities students; Obafemi Awolowo University (OAU) as a case study. (**B.Sc Project Report**). Supervisor: **Dr. Mrs. Oyinloye**

B. Published Journals Articles:

- i. **Asowata-Ayodele A.M.**, Otunola G.A. & Afolayan A.J. (2016) Ethnobotanical survey of culinary herbs and spices used in the traditional medicinal system of Nkonkobe Municipality, Eastern Cape, South Africa. ***South African Journal of Botany***. 104: 69-75.
- ii. **Asowata-Ayodele A.M.**, Otunola G.A. & Afolayan A.J. (2016) Foliar micromorphology of *Lippia javanica*. ***African Journal of Traditional Complementary and Alternative Medicine***. 13(2): 237-242.
- iii. **Asowata-Ayodele A.M.**, Otunola G.A. & Afolayan A.J. (2016) Assessment of the polyphenolic content, free radical scavenging and anti-inflammatory activities of *Lippia javanica*. ***Pharmacognosy Magazine*** 12(46): 353-362.

- iv. Dabesor A.P., **Asowata-Ayodele A.M.** & Umoiette P. (2017) Phytochemical compositions and antimicrobial activities of *Ananas comosus* peels (M.) and *Cocos nucifera* Kernel (L.) on selected food borne pathogens. ***American Journal of Plant Biology***. 2(2): 73-76.
- v. **Asowata-Ayodele A.M.**, Dabesor A.P. & Afolabi B. (2019) phytochemical compositions and antimicrobial activities of *Citrus sinensis* and *Citrus aurantifolia* peels on selected pathogenic bacteria isolated from Jollof Rice. ***International Journal of Pathogen Research***. 2(3):1-7
- vi. **Asowata-Ayodele A.M.**, Otunola G.A. & Afolayan A.J. (2019) Micro morphology of *Foeniculum vulgare* (Apiaceae). ***Advances in Plant and Agriculture Research***. 9(1):147–151.
- vii. **Asowata-Ayodele A.M.**, Otunola G.A. & Afolayan A.J. (2021) The Nutrient, Mineral and Anti-Nutrient Studies of two indigenous South African Spices. ***Journal of Advances in Biology & Biotechnology*** 9(1):147–151.
- viii. Momoh A. & **Ayodele –Asowata A.M.** (2022) Molecular analysis of the resistant factor of virulent uropathogenic *Escherichia coli* in volunteered females of Elizade University. ***Microbes and Infectious Diseases***. DOI:10.21608/mid.2022.116201.1235

Articles submitted for publication

- i. Akomolafe S.R. & **Asowata-Ayodele A.M. (2022)**. Roasted cashew (*Anacardium occidentale* L.) nut-enhanced diet forestalls cisplatin-initiated brain harm in rats. Submitted to ***Heliyon***-Manuscript number-**Heliyon-D-21-10561R1**
- ii. Olatunji B.P., Olawoyin G.T. **Asowata-Ayodele A.M.**, Olowoparija S.F., Aanuoluwa J.O., Godwin O.O., (2022). *Carica papaya* Leaf Smoke Exposure Exerts Mild Neurodegenerative and Anxiolytic Property in Adult Male Mice. ***Nigeria Journal of Neuroscience***
- iii. Olatunji B.P., Arowosegbe S., Adeleke C.O., Obawumi D. **Asowata-Ayodele A.M** Nicotine Content and Dietary Composition of Some Cultivated Species of Solanaceae Family (2022). ***Annals of Science and Technology (AST)***.
- iv. **Asowata-Ayodele A.M** Olatunji B.P., Ijomone O., Godwin O.O. (2022). Neurochemical impact of *Parquetina nigrescens* on aluminum chloride-induced cognitive impairment in male wistar Rats. Submitted to ***International Journal of Brain and Cognitive Sciences***.

- v. Olatunji B.P., Adenigba O., Bello O.O., Godwin O.O. and **Asowata-Ayodele A.M.** Comparative Study of Nutritional Value of *Chocorus olitorius* and *Ludwigia decurrens*
- vi. Olatunji B.P., Aanuoluwa I.A., **Asowata-Ayodele A.M.**, Bernard-Awe Folakemi Elizabeth. Antimicrobial, Activity of the Seed and Peel extract of *Carica papaya* on Clinical Bacterial.
- vii. **Asowata-Ayodele A.M.**, Olatunji B.P., Afolabi F., Godwin O.O., Chemical composition and anti-anaemic activities of methanolic leaf extract of *Anchomanes difformis*.
- viii. Momoh A. & **Asowata-Ayodele A.M (2022)**. The comparative antimicrobial effects of castor, garlic, beniseed and Bittercola extracts on microorganisms isolated from hospitals'ward.

c) Books/Monographs /Book Chapters undergoing review

- i. **Asowata-Ayodele A.M.**, Adewale O.O., Akomolafe S.F. and Adetunji J.B., (2019) Advancement in the research of sulfated polysaccharides from algal origin and its antiulcer bioactivities accepted for publication in Next –Generation Algae Vol. 2. Scrivener Publishing, Chapter 8, 28 pages
- ii. Adewale O.O., **Asowata-Ayodele A.M.**, Akomolafe S.F. and Adetunji J.B., (2019) Natural compounds of algae origin with potential anticarcinogenic benefits accepted for publication in Next –Generation Algae Vol. 2. Scrivener Publishing, Chapter 7, 30 pages

E (a.) Edited and Referred Conference Proceedings, Seminars and Workshops Attended with Dates:

Conference proceedings

- i. 1st Faculty of Basic and Applied Sciences **Conference Proceedings** FBASCON2019 held at Elizade University (EU), Ilara-Mokin, Ondo State, Nigeria on the 21st- 24th, June, 2019.
Paper Presentation: **Abiola Asowata-Ayodele**, Antiurolithiatic potentials of extracts from *Lippia javanica* and *Foeniculum vulgare* plants. Pages 58-70
- ii. 24th Indigenous Plant use Forum Conference, through webinar on zoom platform, <http://zoom.us/j/93961514368>. 27 June-01 July, 2022, University of Johannesburg, Johannesburg, South Africa.
Paper Presentation: **Asowata-Ayodele A.M.**, Olatunji B.P., Ijomone O., and Godwin O.O. (2022). Neurochemical impact of *Parquetina nigrescens* on aluminum chloride-induced cognitive impairment in male wistar Rats.

- iii. 5th International Science Conference. Federal University Oye Ekti, Nigeria. 10th -12th January, 2022.
Paper Presentation: Olatunji B.P, Adenigba O, Bello O.O, Godwin O.O and **Asowata-Ayodele A.M.**, Comparative Nutritional Analyses and Antimicrobial potential of *Ludwigia decurrens* and *Corchorus olitorius* (Book of abstract Page 29).
- iv. Maiden International Conference on Health, safety and environment (hybrid), 'Advancing environmental health and safety through sustainable synergy between town and gown at University of Benin, 11th to 14th May, 2022.
Poster presentation: Godwin O.O., Idu M., ATOE K., Olatunji B.P., **Asowata-Ayodele A.M.**, Anti-fertility and pro-fertility activities of *Desplatsia dewevrei* on wistar rats.
- v. 54th Annual (Hybrid) Conference of the Science Association of Nigeria held at Faculty of Science, University of Ibadan, June 20-24, 2021
Paper Presentation: Ekundayo, E.A., Adegboyega, G. N., **Asowata-Ayodele A. M.**, Ilemobayo, A. and Adelakun, I. Physicochemical properties and bacteriological analysis of sachet water samples purchased from Akure town, Ondo State, Nigeria.
- vi. 4th Annual International Conference of the Society for Medicinal Plants and Economic Development (SOMPED) held at the National Open University of Nigeria, Abuja, from 26-29 August, 2019.
Paper Presentation: **Ayodele-Asowata AM**, Otunola GA and Afolayan AJ (2019) Antiurolithiatic potentials of extracts from *Lippia javanica* and *Foeniculum vulgare*. (Book of abstract, page 52).
- vii. Pharma-Food Congress held at the Main Auditorium, The Federal University of Technology (FUTA), Akure, Ondo State, Nigeria, on the 21st to 24th July, 2019.
Paper Presentation: **Ayodele-Asowata AM**, Otunola GA and Afolayan AJ (2019) Chemical Components and Biological activities of essential oil from *Lippia javanica* and *Foeniculum vulgare*. (Book of abstract, page 37)
- viii. 26th Annual Conference of Botanical Society of Nigeria (BOSON), held at the Ekiti State University, Ado Ekiti, Ekiti State, Nigeria on the 12th-17th August, 2018.
- ix. 24th Annual Conference of Botanical Society of Nigeria (BOSON), held at the University of Ibadan, Oyo State, Nigeria on the 14th-18th August, 2016.
Paper Presentation: **Ayodele-Asowata AM**, Otunola GA and Afolayan AJ (2016). Foliar micromorphology of *Foeniculum vulgare* (Apiaceae). (Book of abstract, page 14)
- x. 25th South African Society of Biochemistry and Molecular Biology (SASBMB) Congress held at the East London International Convention Centre, South Africa.
A Poster presentation: Otunola GA, **Ayodele-Asowata AM** and Afolayan AJ (2016). Polyphenolic content and biological activities of *Lippia javanica* (Burm.F.) Spreng. ; July 10th -14th, 2016.
- xi. 21st annual Conference of Botanical Society of Nigeria (BOSON) plants: "Conserve to use, Use to conserve" held at Department of Botany, Obafemi Awolowo University, Ile-Ife. 3rd- 7th June, 2012.

b. Workshops

- xii.* A webinar workshop by Africa Mentorship and Coaching Programme (AGMCP) on Essentials of Research Publication in high impacts Journals, 28th June, 2022. Through zoom link. ID 87890638615
- xiii.* A webinar workshop on "Quantitative methods for study design and data analysis in implementation science research", 27th June, 2022. Through zoom. ID 94554995835
- xiv.* A one-day Workshop on use of searching tools and plagiarism checkers organized by the University of Medical Sciences, Ondo on 14th of June, 2022.
- xv.* Grantmanship Workshop series 2, Developing a Research proposal and budget, held at University of Medical Sciences, Bolunrunduro campus, Ondo State, Nigeria on the 29TH- 30TH November, 2021.
- xvi.* Pedagogy teachings and learning in Higher Institution, held at University of Medical Sciences, Odosida campus, Ondo, Ondo State, Nigeria on the 23RD- 25TH November, 2021.
- xvii.* Advanced Digital Appreciation Programme for Tertiary Institutions (ADAPTI) Training on Statistical Analysis using Statistical Package for Social Sciences (SPSS) from 5 – 9 July 2021 at UNIMED.
- xviii.* A One-Day Capacity Building Workshop on Ethical Issues in Academia, Research, and Publications organized by the University of Medical Sciences, Ondo on 19 May 2021. "Scopus, Mendeley, Researcher Academy Training" on 30 April 2020 (Harare, Pretoria; Webinar).
- xix.* Attended a webinar workshop on Entrenching Integrity and Combating Fraud in the Examinations and Records Administration of Tertiary Institutions organized by QRS Associates, Inc. from 20th to 21st April 2021, held at Council Chamber through Zoom link, UNIMED.
- xx.* Workshop on use of HINARI/Research4Life platform & Literature searching organized by the University of Medical Sciences, Ondo on 2 March 2021.
- xxi.* Training on Mendeley Reference Management System organized by the University of Medical Sciences, Ondo on 2 March 2021.
- xxii.* Attended a workshop on "Introduction to Bioinformatics and its application in biomedical research" organized by the University of Medical Science (UNIMED) in collaboration with the Africa Centre of Excellence in Genomics of Infectious Diseases (ACEGID), Redeemers University, Ede held at E-library, UNIMED on the 25th- 29th November, 2019.
- xxiii.* Attended the 1st workshop on "Developing the next Generation of Researchers" held at University of Ibadan, Nigeria on the 2nd- 4th April, 2019, funded by the Association of Commonwealth Universities.

- xxiv. Attended the workshop on "R and Python software" held at Elizade University, Ilara-Mokin, Ondo State on the September 24-25, 2018.
- xxv. Attended the 2nd workshop in Ornithology held at Elizade University (EU), Ilara-Mokin, Ondo State on the 10th-14th September, 2018.

c. Academic Membership

- i. Member Botanical Society of Nigeria (BOSON)
- ii. Society for Medicinal plants and Economic Development (SOMPED)

F. Services within University of Medical Sciences (UNIMED), Ondo.

Departmental responsibilities:

- Time table officer (2021/2022 session)
- Examination officer (2019/2020- 2020/2021 sessions)
- Chairman, Welfare Committee (2019/2020- 2020/2021 sessions)
- Secretary, Curriculum Committee (2019/2020- 2020/2022 sessions)
- Member, Seminar Committee (2019/2020- 2020/2021 sessions)
- Member, Departmental Postgraduate Board- 2020- till date

Faculty responsibilities:

Member, Faculty research cluster on functional foods- 2021- till date.

University responsibilities:

Member, Center for Herbal Medicine and Drug Development, University of Medical Sciences, Ondo. May, 2021- till date.

Services outside UNIMED

Elizade University, Ilara-Mokin, Ondo State.

- Chairman, Departmental Welfare Committee (2018/2019 session)
- Member, Local Organizing Committee (LOC), 1st Faculty of Science Conference held at Elizade University (EU), Ondo State, Nigeria on the 21st-24th, June, 2019.

Wesley University, Ondo, Ondo State.

- Departmental and Faculty Examination officer (2013/2014 session)

Community activities:

Ondo State Coordinator, Motherhood NGO:

- Distributed of gifts items to orphanage homes within Ondo State
- Participated in distribution of safe birth kits to pregnant women within Ilara-mokin and Akure communities (2019-till date)

G. Contribution to Knowledge: The research lines I worked with were based on Plant medicine and its impact in drug discovery.

3rd of July, 2022

Signature

Date