

OBAFEMI AWOLOWO UNIVERSITY, ILE-IFE, NIGERIA

BOTANY DEPARTMENT

CURRICULUM VITAE

A. PERSONAL DATA

1. **Full Name (Surname first)** MAKINDE Amos Morakinyo
2. **Date of Birth:** November 3rd, 1954
3. **Contact Details:** Rd. 7E, House 6 OAU Staff Qtrs.
 (a) **Physical Address:** Dept. of Botany, Obafemi Awolowo University, Ile-Ife,
 Nigeria.
 (b) **e-mail address:** amakinde@oauife.edu.ng
 (c) **Mobile Phone Number:** 08031100248
4. **Nationality:** Nigerian
5. **State of Origin:** Ekiti
6. **Senatorial District:** Ekiti Central
7. **Local Government Area:** Ado-Ekiti Local Government
8. **Permanent Home Address:** Block 11, Fajuyi Estate, Ilawe Road, Ado Ekiti
9. **Marital Status:** Married
10. **Number of Children and their Ages:** Three 29, 25, 22 yrs.
11. **Next of Kin:** Mrs. Foluke Oluwatoyin Makinde
12. **Contact Address of Next Kin:** Rd. 7E, House 6 OAU Staff Qtrs.
 (a) **Physical Address:** °/c Dept. of Botany, Obafemi Awolowo University, Ile-Ife,
 Nigeria.
 (b) **e-mail address:** -
 (c) **Mobile Phone Number:** 08060779318
13. **Date of Assumption of Duty:** 14th January, 1985
14. **Status on First Appointment:** Assistant Lecturer
15. **Present Status:** Professor
16. **Date of Last Promotion:** 1st October, 2016
17. **Present Salary, Grade and Step:** CONUASS 7/9
18. **Date of Confirmation of Appointment:** 9th April, 1992 at Adeyemi College, Ondo
19. **Faculty:** Science
20. **Department:** Botany

B. EDUCATIONAL BACKGROUND

1. Higher Educational Institutions Attended with Dates:

- | | |
|--|-------------|
| i. Ode-Ekiti High School, Ode-Ekiti | 1969 |
| ii. Oyemekun Grammar School, Akure | 1970 – 1973 |
| iii. University of Ife | 1976 – 1980 |
| iv. University of Ife | 1982 – 1984 |
| v. Obafemi Awolowo University, Ile-Ife | 1985 – 1991 |

2. Academic/Professional Qualifications and Distinctions Obtained with Dates:

- | | |
|---|------|
| i. West African School Certificate (WASC) | 1973 |
| ii. B.Sc (Hons.) Biology (Ife) | 1980 |
| iii. M.Sc. (Botany) (Ife) | 1984 |
| iv. Ph.D. (Botany), Obafemi Awolowo University, Ile-Ife | 1991 |

3. Other Distinctions and Awards with Dates:

- a. **Scholarship:** Federal Government Scholarship for M.Sc. degree programme (1983 – 1984)
- b. **International Awards:**
 - i. Living Legends 2004/2005 **International Bibliographical Centre, Cambridge**
 - ii. Outstanding intellectual of the 21st Century 2005 **International Bibliographical Centre, Cambridge**
 - iii. Cambridge Blue Book Man of the year 2005 **International Bibliographical Centre, Cambridge**
 - iv. Leading Educators of the World 2005 **International Bibliographical Centre, Cambridge**
 - v. International Professional of the year 2005 **International Bibliographical Centre, Cambridge**

C. WORK EXPERIENCE WITH DATES

1. Previous Work Experience Outside the University System with Dates:

- a. Clerical Officer, West African Examination Council (WAEC), Test Development and Research Office, (TEDRO), Lagos Office, February 1974 – November 1975.
- b. Biology Teacher, Federal School of Arts and Science Mubi, Gongola State, (NYSC) 1980-81.

2. Work experience in other Universities:

- a. Part-time Lecturer, LASU Degree Programme at Osun State College of Education Campus 2002 – 2004
- b. Sabbatical Leave Appointment at Bowen University, Iwo 2004-2005

3. Work Experience in Obafemi Awolowo University

Assistant Lecturer	1985 – 1991
Lecturer II	1991 – 1994
Lecturer I	1994 – 1999
Senior Lecturer	1999 – 2013
Reader	2013 – 2016
Professor	2016 till date

4. Courses Taught within the Current Academic Session

BOT 101	-	Introductory Botany I (Joint Teaching)
BOT 102	-	Introductory Botany II (Joint Teaching)
BOT 304	-	Systematics of Non-flowering Plants (Joint Teaching)
BOT 403	-	Algology
BOT 405	-	Bryology (Joint Teaching)
BOT 411	-	Economic Botany (Joint Teaching)
BOT 417	-	Environmental Pollution and Conservation Biology (Joint Teaching)
BOT 613	-	Bryophyte Ecology

5. Graduate Student Supervision (Completed) by Research:

- (i) Fajuke, Aina Arinola (2008) SCP02/03/R/1822: Desiccation resistance in selected derived savanna and rainforest mosses at Obafemi Awolowo University campus (M.Sc.)
- (ii) Isa, Musibau Olalekan (2013) SCP09/10/H/1255: Reproductive studies and phytochemical screening of selected mosses at the Obafemi Awolowo University, Ile-Ife (M.Sc.)
- (iii) Olaseni, Lawrence Lanre (2013) SCP09/10/H/1257: Seasonal variation and distribution of diatoms in two major streams feeding Opa Dam, Obafemi Awolowo University, Ile-Ife (M.Sc.)

- (iv) Fajuke, Aina Arinola (2014) SCP09/10/R/0100: Biosystematic studies of the Genus *Nephrolepis* Swartz in Southwestern Nigeria (Ph.D.) (Co-supervised)
- (v) Aroyehun, Fisayo Sakirat (2016) SCP12/13/R/0018: Physio-chemical studies of selected mosses at the Obafemi Awolowo University, Ile-Ife, Nigeria (M.Sc.)
- (vi) Ogbimi, Anthony Zinno (2018) SCP12/13/H/0241: Reproductive biology and biomass allocation in selected Tropical Mosses in Obafemi Awolowo University Campus, Ile-Ife, Nigeria (Ph.D.)
- (vii) Olasoji, Kehinde Olayemi (2017) SCP14/15/H/0001: Phytochemical and antimicrobial studies of *Archidium ohioense* ex Mull, *Hyophila involuta* Hook and *Thuidium gratum* Palis with different alcoholic extractants (M.Sc.)
- (viii) Adesoji, Bukola Aderonke (2019) SCP16/17/H/0334: Comparative antibacterial activities of ethyl acetatae and fermented palm wine extracts of three selected mosses from Obafemi Awolowo University, Ile-Ife, Nigeria (M.Sc.)
- (ix) Isa, Musibau Olalekan (2019) SCP13/14/H/0587: Effect of maturity stages of selected mosses at Obafemi Awolowo University, Ile-Ife, on morphology, phytochemicals and antimicrobial properties (Ph.D.)

6. Current undergraduate dissertation supervision: Seven undergraduate supervisions

D. MEMBERSHIP OF PROFESSIONAL BODIES:

- (i) Member, Nigerian Field Society
- (ii) Member, Botanical Society of Nigeria
- (iii) Member, Nigerian Society for Environmental Management
- (iv) Member, Nigerian Conservation Foundation (NCF)

E. PUBLICATIONS:

1. Thesis/Dissertation:

- (i) **Makinde A. M. (1980)** - Repetitive DNA Sequences in three teleost Fishes: *Chrysichthyesauratus*, *Tilapia galilea* and *T. zillii* University of Ife, Ile-Ife, **B.Sc. Dissertation**
- (ii) **Makinde A. M. (1984)** – Mechanism of Boron toxicity-induced to wilting in *Amaranthus dubius* ex Thell. University of Ife, Ile-Ife, **M.Sc. Dissertation.**

- (iii) **Makinde A. M. (1991)** – Studies of the seasonal changes in Bryophyte Population of Derived Savanna of Southwestern Nigeria” Obafemi Awolowo University, Ile-Ife, **Ph.D. Dissertation**

2. Published Journal Articles

- (i) **Makinde, A. M.** (1993). Thermotolerance of selected mosses of southwestern Nigeria savanna. *Nigerian Journal of Botany*, **6**: 21 – 25. (Nigeria).
- (ii) **Makinde, A. M.** and Lawanson, A. O. (1993). Response of *Amaranthus dubius* (Mart ex Thell) to increased boron levels under water stress. *New Botanist*, **20**: 11 - 18. (India).
- (iii) **Makinde, A. M.** and Odu, E. A. (1993). Recolonisation of fire-disturbed soil by mosses in a derived savanna. *Nigerian Journal of Botany*, **6**: 217 – 221. (Nigeria).
- (iv) **Makinde, A. M. (1994)**. Occurrence and cover of mosses in savanna ecosystem of southwestern Nigeria. *Journal of Agriculture, Science and Technology*, **4**(1): 39 - 44. (Nigeria)
- (v) **Makinde, A. M.** and Odu, E. A. (1994). Phenological studies of selected savanna mosses of southwestern Nigeria. *Experientia*, **50**: 616 - 619. (Switzerland).
- (vi) **Makinde, A. M.** and Omole O. O. (1991). Some physico-chemical and flora evaluation of three tributaries of Opa River on Central Campus of OAU, Ile-Ife. *African Journal of Science*, **3**(1): 67 - 75. (Nigeria).
- (vii) **Makinde, A. M.** and Saheed, S. A. (1999). Studies on polysety and ecological distribution of *Octoblepharum albidum* in Obafemi Awolowo University Campus, Ile-Ife. *Nigerian Journal of Botany*, **12**(2): 157 – 161. (Nigeria).
- (viii) Badejo, M. A., **Makinde, A. M.** and Straalen, N. M. (1999). The oribatid mite fauna of soil under different vegetation cover in Ile-Ife, Nigeria. *Tropical Ecology*, **40**(2): 275 - 280. (India).
- (ix) Adelusi, A. A., **Makinde, A. M** and Folorunso, A. E. (2004). Electrophoretic study of crude protein diversity in the seeds of *Abelmoschus esculentus* (L) Moench and *A moschatus* (Moench.) *Plant Sciences Research Communications*, **2**(1): 48 - 52. (Nigeria).
- (x) Adelusi A. A., Akamo O. A. and **Makinde, A. M. (2006)**. *Euphorbia heterophylla* L. and Nitrogen fertilizer effects on the chemical composition and photosynthetic

- apparatus of *Macrotyloma geocarpa* (Harms) Marechal and Baudet. *International Journal of Botany*, **2**(1): 56 - 63. (USA).
- (xi) Adelusi A. A., **Makinde, A. M.** and Folorunso, A. E. (2006). Comparative studies of physico-biochemical parameters in *Abelmoschus esculentus* (L) Moench and *A. moschatus* Moench. *Research Journal of Botany*, **1**(2): 104 – 109. (USA).
- (xii) Adelusi, A. A. Akamo, O. A. and **Makinde, A. M.** (2006). Nitrogen fertilizer and Weed *Euphorbia heterophylla* Linn. Effect on the growth parameters of *Macrotyloma geocarpa* (Harms) Marechal and Baudet. *International Journal of Botany*, **2**(1): 74 – 82. (USA).
- (xiii) Adelusi A. A., Odufeko G. T. and **Makinde, A. M.** (2006). Interference of *Euphorbia heterophylla* Linn. on the growth and reproductive yield of soybean *Glycine max* (Linn.) Merill (soya bean) *Research Journal of Botany*, **1**(2): 85 – 94. (USA).
- (xiv) **Makinde, A. M** and Adelusi, A. A. (2008). Morphological study and proximate analysis of two related species of *Talinum*. *Ife Journal of Science*, **10**(2): 250 - 254. (Nigeria).
- (xv) **Makinde, A. M.** and Fajuke, A. A (2009). Adaptive strategies of mosses to desiccation *Not. Bot. Agrobot. Cluj.*, **37**(1): 191 – 193. (Romania).
- (xvi) **Makinde, A. M.** and Akande, F. I. (2012). Effects of lead and simulated acid rain on chlorophyll contents of selected Tropical mosses. *Ife Journal of Science*, **14**(2): 309 - 313. (Nigeria).
- (xvii) Oloyede, F. A., Akomolafe, F. G. and **Makinde, A. M.** (2012). Effect of arsenic on growth and spore Viability of *Pteris vitata* L. and *P. enformis* Burm F. in Nigeria. *Nigerian Journal of Botany*, **25**(2): 309-319. (Nigeria).
- (xviii) Oloyede, F. A., **Makinde, A. M** and Ajayi, O. S. (2012). Proximate analysis, nutritional and anti-nutritional compositions of a Tropical fern *Nephrolepis furcans* in Nigeria. *Acta Botanical Hungarica*, **54**(3-4): 345 – 354. (Hungary).
- (xix) Fajuke, A. A., **Makinde, A. M.**, Oloyede, F. A. and Akomolafe, G. F. (2012). Evaluation of the method of resistance and recovery of selected mosses to desiccation at the Obafemi Awolowo University, Ile-Ife Campus. *Nigerian Journal of Botany*, **25**(1): 23 - 33. (Nigeria).
- (xx) Oloyede, F. A, Aremu, O. A. and **Makinde, A. M.** (2013). Effects of extraction methods on pigment concentration of *Spirogyra* (Dillwyn) Kutz. *Nigerian Journal of Botany*, **26**(2): 219 - 226. (Nigeria).

- (xxi) Isa, M. O, **Makinde, A. M.** and Akinpelu, B. A. (2014). Secondary metabolites and antimicrobial activities of selected mosses at the Obafemi Awolowo University, Ile-Ife, Nigeria. *International Journal of Scientific Research*, **4**(1): 49 - 60. (India).
- (xxii) **Makinde, A. M.**, Isa, M. O and Ayisire B. E. (2014). Studies of sterilization protocol development and calli induction of selected tropical mosses. *Journal of Tropical Biology and Conservation*, **11**: 33-40. (Malaysia).
- (xxiii) Akinpelu, B. A., **Makinde, A. M.**, Isa, M. O., Taiwo, O. P., Ojelabi, O. M. and Oyedapo, O. O. (2015). *In vitro* evaluation of membrane stabilizing potential of selected bryophyte species. *European Journal of Medicinal Plants*, **6**(3): 181 - 190. (U.K).
- (xxiv) Anyim, G., Akinpelu, B. A., **Makinde A. M.**, Aderogba, M. A. and Oyedapo, O. O. (2015). Identification of n-Hexane fraction constituents of *Archidium ohioense* Schimp ex Mull extract using GC-MC technique. *British Journal of Pharmaceutical Research*, **6**(6): 366 - 375. (U.K).
- (xxv) Oyedapo, O. O.; **Makinde, A. M.**; Ilesanmi, G. M.; Abimbola, E. O.; Akinwumi, K. F. and Akinpelu, B. A. (2015). Biological activities (anti-inflammatory and antioxidant) of fractions and methanolic extract of *Philonotis hastata* (Duby) Wijk Margadant. *African Journal of Traditional, Complementary and Alternative Medicines*, **12**(4): 50 - 55. (Nigeria).
- (xxvi) **Makinde, A. M.**; Fajuyigbe, E. A. and Isa, M. O. (2015). Secondary metabolites and bioactivity of *Hyophila involuta* (Hook) Jaeg. *Notulae Scientia Biologicae*, **7**(4): 456 - 459. (Romania).
- (xxvii) **Makinde, A. M.**, Salawu, A. A. and Isa, M. O. (2015). Phytochemical screening and antimicrobial potential of *Philonotis hastata* (Duby) Wijk & Margad. *Journal of Pharmacy and Biological Sciences*, **10**(5): 7 - 11. (India).
- (xxviii) Dedeke, O. A. and **Makinde, A. M** (2015). Phytochemical screening of *Octoblepharum albidum* Hedw and susceptibility test on selected microbes. *Nigerian Journal of Botany*, **28**(2): 141-149. (Nigeria).
- (xxix) Borisade, T. V. and **Makinde A. M.** (2016). Comparative studies of vegetative growth of *Barbula indica* from polluted and unpolluted sites at the Obafemi Awolowo University, Ile-Ife, Nigeria. *International Journal of Life Sciences Research*, **4**(3): 30 - 37. (U.S.A).

- (xxx) Aroyehun F. S., **Makinde A. M.**, and Isa, M. O. (2016). Comparative extraction of chlorophylls in selected forest and savanna mosses using dimethylsulphoxide and acetone. *Notula Scientia Biologicae*, 8(3): 347 - 353. (Romania).
- (xxxi) Akinpelu, B. A., **Makinde, A. M.**, Amujoyegbe, O. O., Isa, M. O., Nwobiko, V. C., Akinwotu, A. O., Oladimeji, E. S., Taiwo, O. P., Agbedahunsi, J. M. and Oyedapo, O. O. (2017). Evaluation of anti-inflammatory and antisickling potentials of *Archidium ohioense* (Schimp. ex Mull) extracts. *IOSR Journal of Pharmacy and Biological Sciences*, 12(1): 18-26. (India).
- (xxxii) Fajuke, A. A., **Makinde, A. M.**, Oloyede, F. A. and Isa, M. O. (2017). Pinna growth and development in relation to venation in *Nephrolepis* species. *Notulae Scientia Biologicae*, 9(2): 296-300. (Romania).
- (xxxiii) Olasoji, K. O., **Makinde, A. M.**, Akinpelu, B. A., Igbeneghu, O. A. and Isa, M. O. (2019). Antimicrobial activity of selected mosses on Obafemi Awolowo University Campus, Ile-Ife, Nigeria. *Notulae Scientia Biologicae*, 11(3): 462-466. (Romania).
- (xxxiv) Olasoji, K. O., **Makinde, A. M.**, Akinpelu, B. A., and Isa, M. O. (2019). Qualitative and quantitative phytochemical analysis of selected mosses with different alcoholic solvents. *Sciences in Cold and Arid Regions*, 11(5): 0382-0388. (China).
- (xxxv) Isa, M. O., Akinpelu, B. A. and **Makinde, A. M.** 2021. GC-MS analyses of young and mature *Archidium ohioense* Schimp Ex. C. Mull and *Philonotis hastata* (Duby) Wijk and Margad extracts. *Ife Journal of Science*, 23(1): 89-103. (Nigeria).

3. Manuscript Submitted for Publication:

Isa, M. O., **Makinde, A. M.** and Akinpelu, B. A. Influence of sporophyte emergence on the phytochemical constituents and antimicrobial activities of *Hyophila involuta* (Hook) jaeg.

4. Papers and Work in Progress:

- (i) **Makinde, A. M** and Popoola. P. O. Secondary Metabolites in *Bryum cruegeri* Hampe and Susceptibility tests on selected microorganisms.
- (ii) **Makinde, A. M.** and Ojemanya, S. O. Algal distribution in little stream between Akintola and Fajuyi Halls at Obafemi Awolowo University, Ile-Ife, Campus.
- (iii) **Makinde, A. M.**, Balogun Esther and Isa M. O. Anatomy and Phytochemicals of *Octoblepharum albidum*

F. CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED WITH DATES:

- (i) 5TH Botanical Society of Nigeria (BOSON) Conference 24th – 28th March, 1991
Conference Center, Obafemi Awolowo University, Ile – Ife, Nigeria
- (ii) The second Annual General Meeting and 1st Annual Conference of Nigerian Society for Environmental Management: May 12 – 13, 2004 at OAU, Ile – Ife, Nigeria.
- (iii) Faculty of Science, Obafemi Awolowo University Conference. July 3rd – 5th, 2007, at OAU, Campus, Ile-Ife, Nigeria
- (iv) Annual Faculty Conference of the Faculty of Science 14th – 16th September, 2010 at Obafemi Awolowo University, Ile-Ife, Nigeria.
- (v) Botanical Society of Nigeria (BOSON) Conference 3rd – 7th June, 2012 at Obafemi Awolowo University, Ile-Ife, Nigeria.
- (vi) Biennial Faculty of Science International Conference 4th – 8th September, 2016 at Obafemi Awolowo University, Ile-Ife, Nigeria.
- (vii) International Conference of the Faculty of Science, Obafemi Awolowo University, Ile-Ife, 1st - 5th October, 2018.

G. CURRENT RESEARCH ACTIVITIES

- i. Regeneration through propagules and vegetative parts of selected tropical bryophytes.
- ii. Environmental assessment studies using lower plants (bryophytes and lichens)
- iii. Quantification of detected bio-active metabolites in selected mosses

H. CURRENT RELEVANT INFORMATION:

1. Services within the Department

- i. Member, Field Trip Committee 1996 to date
- ii. Coordinator, BOT 103 and 104 Practicals 1998 – 2003
- iii. Coordinator, Botany Department, Timetable 1997 – 2003
- iv. Member, Botany Department Postgraduate Studies Committee 2008 to date
- v. Member, Botany Department Review Committee 1999 to date
- vi. Undergraduate course Adviser 1994 to date
- vii. Ag. Head Botany Department, 1st August, 2013 - 2015, 2016 - 2017

2. Services within the Faculty

- i. Member, Faculty Postgraduate Committee 1999 to 2015
- ii. Chairman, Faculty of Science Committee on Students Request for Leave of Absence and Permission to Register for less than 15 Units 1998 – 2004
- iii. Member, Faculty Review Panel 2003/2004; 2013 to date

- iv. Member, Faculty Selection Panel 1st August, 2013 to 31st July 2015
- v. Internal Examiner M.Sc. Oral in Zoology Department
- vi. Internal Examiner M.Sc. Oral in Institute of Ecology and Environmental Studies

3. Services within the University

- i. Dean's Representative on the Board of Institute of Agriculture Research and Training (I.A.R. & T), Ibadan 2003 – 2005
- ii. Dean's Representative at the University Budgeting and Finance Committee 2005 – 2006
- iii. Member, Committe on activities of Parks and Gardens unit at O.A.U. Ife set up by Acting Vice Chancellor, Professor A. A. Elujoba, 2016
- iv. Senate Representative on the Committee of the University Library, 2018/2019 academic session
- v. Readership Review, Faculty of Pharmacy, 2022
- vi. Professorial Review, Faculty of Science, 2023

4. Services Outside the University

- a. Undergraduate External Examiner, Bowen University, Iwo (2017, 2022-2023)
- b. Member, Environmental Impact Assessment (EIA) Team at MOYEL Oil Plant Site, Dada Estate, Osogbo 1994

b. Services at Adeyemi College of Education, Ondo.

- i. Member, Guest House Management Committee (1991 – 1993)
- ii. Member, Panel of Jurists for Staff Games, (1991)
- iii. Member, Ceremonials Committee, (1988 – 1900)
- iv. Member, Investigation Panel on Student's theft of Library Books (1992)
- v. Member, Panel on Examination Malpractices and Staff insubordination to head, Home Economics Department (1993)
- vi. Member, Task Force on Capital Project Monitoring (1993)
- vii. Chairman Results Vetting Committee (1992 – 1994)
- viii. Chairman, School of Science Research Committee (1991 to 1994)
- ix. Member/Secretary: Seminar Management Committee (1991-94)
- x. Adviser: Man O War Club (1986 – 1994)
- xi. Adviser: Royal Club (1991 – 1994)
- xii. Adviser: Ado Ekiti Students Union (1985 – 1994)

- xiii. Adviser: Phoenix Writers Club (1986 – 1994)
- xiv. Adviser: Biology Students Association (1986 – 1994)
- xv. Hall Fellow: Wande Abimbola Hall (1993 - 1994)

c. Services at Bowen University, Iwo (Sabbatical Leave)

- i. Member of Board, Faculty of Science and Science Education Examiners 2004 – 2005
- ii. FSSE nominee to Senate Bowen University, Iwo 2004/2005
- iii. Member of Committee Screening Exercises (Post UME) 2004/2005
- iv. Assisting HOD in some administrative work 2004/2005 session
- v. Assisting HOD in supervising Laboratory Staff 2004 – 2005
- vi. Seminar Coordinator, Faculty of Science and Science Education 2004 – 2005
- vii. Adviser to and Registration of 300 level students MCB/PLB/ZLY 2004 – 2005
- viii. Member, Project Monitoring Committee 2005
- ix. Member, Mock NUC Accreditation Panel 2005
- x. Member, Pre Degree Programme Implementation Committee 2005
- xi. Member, Purchase of Books and Equipment for Library and Laboratory in preparation for accreditation. 2005
- xii. Bowen University Representative at JAMB Screening Exercise, May 2005

Signature: 

Date: 20th March, 2023