



### i. **Brief Biography**

**Mudasiru Opeyemi Muideen** (Ph.D.) is a lecturer and researcher in the Department of Pure and Applied Botany at the Federal University of Agriculture, Abeokuta, Ogun State. He bagged his Ph.D and M.Sc. with Distinctions in Botany (Plant Taxonomy and Biosystematics) at the University of Ibadan, Nigeria. He is a passionate teacher and researcher with competence in Plant Identification, Environmental Biology, Electrophoresis, PCR, DNA Sequence, Molecular Phylogenetics and Plant Systematic Anatomy. His research interest include Plant Taxonomy, Molecular Systematics, Biogeography, Floristic Inventory and Conservation.

Dr. Mudasiru has undertaken substantial research in Plant Taxonomy and Molecular systematics, applying several taxonomical tools for plant identification, systematic descriptions, nomenclature, species boundaries and delimitation of the taxa. He is an awardee of 2018 TWAS-CSIR Sandwich Ph.D. Research Fellowship. He was able to visit CSIR-National Botanical Research Institute, Uttar Pradesh, India for his Ph.D. bench work on Phylogenetic considerations of Combretaceae species in Nigeria under the supervision of Prof. (Dr.) T. S. Rana. He has the ability to elucidate the phylogenetic relationships among the species of Combretaceae using DNA sequence data from the internal transcribed spacer (*ITS*) of nuclear ribosomal DNA (nrDNA) and plastid DNA regions (*matK*, *rbcL* and *psbA-trnH*).

Dr. Mudasiru, O.M. has publications in peer-reviewed journals. He has presented papers at reputable national and international conferences, workshops, symposia and research training programmes. He is a life member of International Society of Environmental Botanists (ISEB), Botanical Society of Nigeria (BOSON) and Nigeria Field Society (NFS). His diverse experience and commitment to plant diversity make him an invaluable contributor to the field of Botany. As an academic staff in the Department of Pure and Applied Botany, Federal University of Agriculture Abeokuta, he has been involved in virtual and physical classroom teaching on Plant Taxonomy and Biosystematics, Angiosperm Morphology, Developmental Biology, Plant Anatomy, Conservation and Biodiversity, Nigerian vegetation and other plant related courses to undergraduate students. He has also been involved in mentoring SIWES students participating in the Industrial training at FUNAAB Botanical Garden. Dr. Mudasiru O. M. is currently a Curator of FUNAAB Herbarium and Secretary, Departmental Board. He is also the College Board Representative on FUNAABOT.

iii. **Personal Information**

Name in Full: **MUDASIRU** Opeyemi Muideen  
Place of Birth: Ibadan  
Sex: Male  
Marital Status: Married  
Nationality: Nigerian  
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iv. **Department:** Pure and Applied Botany

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vi. **Phone Number:** +2347065579072

vii. **Rank:** Lecturer I

viii. **Designation:** Herbarium Curator, College Board Representative on FUNAABOT.

ix. **Researchgate Address:** [https://www.researchgate.net/profile/Opeyemi Muideen Mudasiru](https://www.researchgate.net/profile/Opeyemi_Muideen_Mudasiru)

x. **LinkedIn Address:** <https://www.linkedin.com/in/opeyemi-muideen-mudasiru-ph-d-48a524128>

xi. **Google Scholar Profile:** [https://scholar.google.com/citations?hl=en&user=v4e\\_S5sAAAAJ](https://scholar.google.com/citations?hl=en&user=v4e_S5sAAAAJ)

xii. **ORCID Number:** 0000-0003-2225-6931

xiii. **Qualification:**

(a) Ph. D. (Botany)	2023
(b) M. Sc. (Botany)	2014
(c) B. Sc. Ed. (Biology)	2011

xiv. **Membership of Professional Bodies:**

- International Society of Environmental Botanists (ISEB)
- Botanical Society of Nigeria (BOSON)
- Nigerian Field Society (NFS)
- Nigerian Conservation Foundation (NCF)

xv. **Award Received:**

- Best Ph.D. Oral Presentation (ICPEP -6) Award – National Botanical Research Institute (NBRI), Lucknow India 2018
- Ph.D. Research Fellowship Award by The World Academy of Sciences (TWAS), Italy and Council of Scientific Industrial Research (CSIR), India 2017-2019

xvi. **Research Conducted:**

- Taxonomic revision and Phylogenetic Considerations of the family Combretaceae in Nigeria using morphological and DNA markers.
- Taxonomic revision of families Annonaceae, Combretaceae and Sapotaceae.
- Taxonomic implications of wood anatomical characteristics of some species in the Genus *Terminalia* in Nigeria.
- Systematic studies of the families Annonaceae and Rutaceae in Nigeria using morpho-taxonomic and molecular markers.

xvii. **Conferences Attended:**

- **Mudasiru, O. M.**, Ayodele, A. E., Rana, T. S., Tiwari, V. and Olanloye, A. O. (2025). Systematic significance of morphology and leaf epidermal characters among Nigerian species of *Terminalia* Linn. (Combretaceae). Presented (Oral Presentation) at the 31<sup>st</sup> Annual Conference of Botanical Society of Nigeria (BOSON) held at University Auditorium (Peniel Chapel), Heritage Campus, Benson Idahosa University, Benin City, Edo State, Nigeria. July 22–25, 2025.
- **Mudasiru, O. M.**, Akanmu, A. A., Adedeji M. R. and Olanloye, A. O. (2024). Taxonomic significance of foliar epidermal anatomical characters in four species of Annonaceae Juss. Presented (Oral Presentation) at the 3rd Bioscience Conference of College of Biosciences, Federal University of Agriculture, Abeokuta held at the Federal University of Agriculture, Abeokuta, Nigeria. February 12–15, 2024.
- **Mudasiru, O. M.**, Adedeji M. R. Akanmu, A. A. and Olanloye, A. O. (2024). Taxonomic implications of morphological and epidermal characters in four species of *Citrus* Linn. (Rutaceae) from Abeokuta, Ogun State. Presented (Oral Presentation) at the 3rd Bioscience Conference of College of Biosciences, Federal University of Agriculture, Abeokuta held at the Federal University of Agriculture, Abeokuta, Nigeria. February 12–15, 2024.

- Ayinde, E. O. and **Mudasiru, O. M.** (2024). Taxonomic significance of pollen morphology of three species of Cotton (*Gossypium* L.) from Abeokuta, Ogun State. Presented (Oral Presentation) at the 3rd Bioscience Conference of College of Biosciences, Federal University of Agriculture, Abeokuta held at the Federal University of Agriculture, Abeokuta, Nigeria. February 12–15, 2024.
- **Mudasiru, O. M.**, Kehinde, I. A., Olanrewaju, M. D. and Fasola, T. R. (2024). Ethnobotanical survey of medicinal plants used in the treatment of Haemorrhoids in Odeda Local Government Area, Ogun State. Presented (Oral Presentation) at the 3rd Bioscience Conference of College of Biosciences, Federal University of Agriculture, Abeokuta held at the Federal University of Agriculture, Abeokuta, Nigeria. February 12–15, 2024.
- **Mudasiru, O. M.** Ayodele, E. A. and Rana, T. S. (2023). Taxonomic importance of the pollen grains of some species in the family Combretaceae R.Br. in Nigeria Ecozones. Presented (Oral Presentation) at the 29<sup>th</sup> Annual Conference and General Meeting of Botanical Society of Nigeria (BOSON) held at Department of Botany, Ahmadu Bello University, Nigeria. June 18–22, 2023.
- **Mudasiru, O. M.** Ayodele, E. A. and Rana, T. S. (2019). Comparative wood anatomy of some species of family Sapindaceae, South West, Nigeria. Paper presented (Poster Presentation) at IPSC (2019) at Indian Plant Science Congress (IPSC 2019) SRM Institute of Science and Technology, Kantankulathur, Chennai, Tamil Nadu, India. January 23–25, 2019.
- **Mudasiru, O. M.**, Ayodele, A. E. and Rana, T. S. (2018). Potential impacts of climate change and air pollution on plant diversity in Nigeria. Paper presented (Oral Presentation) at the Sixth International Conference on Plants & Environmental Pollution at CSIR-NBRI, Lucknow (India). November 27–30, 2018.
- **Mudasiru, O. M.** and Ayodele, A. E. (2015). Leaf epidermal studies of some species of *Combretum* Loefl. (Combretaceae) in Nigeria. Presented (Oral Presentation) at the 23<sup>rd</sup> Annual Conference and Exhibition of Botanical Society of Nigeria (BOSON) held at Department of Botany, Faculty of Science, University of Lagos, Nigeria. August 16–20, 2015.
- **Mudasiru, O. M.**, Ayodele, A. E. and Akinloye, A. J. (2015). Taxonomic implications of wood characters in some members of the genus *Terminalia* Linn. (Combretaceae) in Nigeria. Presented (Postal Presentation) at the 2nd International Conference on Scientific Research and Innovation with the theme “SCIENTIFIC RESEARCH AND INNOVATION IN NIGERIA, held at the Faculty of Science, University of Ibadan, Oyo State, Nigeria. March 16–20, 2015.

## xviii. Publications

- \***Mudasiru, O. M.**, Sanni, R. O., Muftaudeen, T. K., Oyelakin, A. S., Ayodele, A. E. and Balogun, S. O. (2024). A Broad Floristic Diversity of Federal University of Agriculture Abeokuta Campus, Ogun State. *Nigerian Journal of Basic and Applied Sciences*, **32 (2): 30-46**. Published by Usmanu Danfodiyo University, Sokoto. Available online at <http://dx.doi.org/10.4314/njbas.v32i2.5>
- \***Mudasiru, O. M.**, Ayodele, A. E., Rana, T. S. and Vandana, T. (2024). Systematic significance of morphology and leaf epidermal ultrastructure among Nigerian species of *Combretum* Loefl. (Combretaceae). *Nigerian Journal of Botany*, **37 (2): 193-226**. Published by Botanical Society of Nigeria (BOSON), Nigeria. Available online at <https://dx.doi.org/10.4314/njbot.v37i2.5>
- \***Mudasiru, O. M.**, Ayodele, A. E., Rana, T. S. and Pandey, S. (2023). Taxonomic significance of the pollen morphology of family Combretaceae R.Br. (Myrtales) from Nigeria. *Nigerian Journal of Botany*, **36 (2): 165-184**. Published by Botanical Society of Nigeria (BOSON), Nigeria. Available online at <https://doi.org/10.4314/njbot.v36i2.6>
- Akinsulire, O. P., Oladipo, O. T., Illoh, H. C. and **Mudasiru, O. M.** (2018). Vegetative and reproductive morphological study of some species in the family Combretaceae in Nigeria. *Ife Journal of Science*, **20 (2): 371-389**. Published by Obafemi Awolowo University, Ile-Ife, Osun State. Available online at <https://dx.doi.org/10.4314/ijs.v20i2.18>
- Oladejo, S. O., Olawuyi, O. J., Awoniran, D. R. and **Mudasiru, O. M.** (2018). Spatial distribution of phytochemical and antifungal evaluation of six medicinal plants in South-West, Nigeria. *International Journal of Traditional and Complementary Medicine*, **11 (3): 1-14**. <http://escipub.com/international-journal-of-traditional-and-complementary-medicine/>
- **Mudasiru, O. M.**, Ayodele, A. E. and Akinloye, A. J. (2016). Taxonomic implications of wood characters in some members of the genus *Terminalia* Linn. (Combretaceae) in Nigeria. *Nigerian Journal of Botany*, **29 (1): 23-41**. Published by Botanical Society of Nigeria (BOSON), Nigeria. Available online at <https://www.boson.org.ng>