



i. **Brief Biography**

Abiodun Sunday Oyelakin (Ph.D.) is a plant Cytogenetist and lecturer in the department of Pure and Applied Botany at the Federal University of Agriculture, Abeokuta (FUNAAB), Ogun state, Nigeria. He holds a B.Sc. degree in Biological Sciences (Botany option) (**Second Class Upper Division**) and a Master's degree in Botany (Cytology & Cytogenetics) from the department of Biological Sciences at the University of Agriculture, Abeokuta (UNAAB), now Federal University of Agriculture, Abeokuta (FUNAAB). He bagged his Ph.D. degree in Botany (Cytology & Cytogenetics) from FUNAAB where he focused his research attention on “Biosystematics of pepper species (*Capsicum* L.) for gene pool accessions in Southwest Nigeria” under the supervision of Profs Muyiwa Segun Ayodele (now retired), Isaac Oludayo Daniel (now at the University of Manitoba, Canada) and David Adejare Agboola (now retired). He was at the Institute of Vegetables and Flowers, Chinese Academy of Agricultural Sciences, Beijing, China for Ph.D. benchwork on molecular characterization of some accessions of pepper under the supervision of Prof. (Dr.) Wang Lihao. He has the ability to identify research gaps, design quality research, teaching and supervision, both at undergraduate and postgraduate levels. He is a recipient of the TETFund-IBR Grant, Nigeria.

Dr. Oyelakin has published many research articles in the areas of molecular genetics and systematics in both local and international learned journals to his credit. He has also attended many conferences and training programmes. He has carried out series of research works, some of which include Genetic diversity of *Capsicum* in Southwest Nigeria using SSR Markers, Morpho-taxonomic studies of *Crossacephalum*, and intraspecific variability of *Capsicum*, to mention a few. My research interest includes Genetic Diversity Studies, Morphological and Molecular characterization of indigenous plants. He has been carrying out research activities, supervising and training both undergraduate and postgraduate students.

His teaching philosophy is to motivate students to develop their learning interests and critical thinking-to establish a learner-centred environment in the classroom. As such, he has developed skills to teach the students both major and non-major with field and laboratory works to stimulate their interest in plants. Collaborative learning is also central to his teaching philosophy to promote reflective thinking and improve the students' communicative and trans-cultural skills. He has the experience on the use of technology and computer-based materials in the classroom such as google-classroom and YouTube as helpful tools in the promotion of

meaningful learning through collaborative work. As an academic staff in the Department of Pure and Applied Botany, College of Biosciences, He has been involved in teaching on Plant genetics, Cytogenetics, Plant Taxonomy and biosystematics, Angiosperm Morphology and other plant related courses to undergraduate students as well as Plant Cytogenetics, Applied Cytogenetics, Cytology, and Plant Taxonomy to postgraduate students.

He has held several positions in the department and university such as the Coordinator, SIWES Programme, Secretary, Pure and Applied Botany Departmental Board, COLBIOS Representative in Webometric committee and COLBIOS Representative in sports committee. Dr. Oyelakin is the Coordinator of the department of Pure and Applied Botany from 2020 to date

He is a member of the Genetic Society of Nigeria and Botanical Society of Nigeria (BOSON).

i. Personal information:

Name in Full:	OYELAKIN Abiodun Sunday
Place of Birth:	Fiditi
Sex:	Male
Marital Status:	Married
Nationality:	Nigerian
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ii. **Department:** Pure and Applied Botany

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iv. **Phone Number:** +234-8035216157

v. **Rank:** Lecturer I

vi. **Designation:** Coordinator, PAB

vii. **Researchgate Address:** [https://www.researchgate.net/profile/Abiodun Sunday Oyelakin](https://www.researchgate.net/profile/Abiodun_Sunday_Oyelakin)

viii. **LinkedIn Address:** <https://www.linkedin.com/in/abiodun-oyelakin-b>

ix. **Google Scholar Profile:** Abiodun Sunday Oyelakin

x. **ORCID Number:** 0000-0003-0045-4224

xi. **Qualification:** Ph.D.

xii. **Membership of Professional Bodies:**

- Botanical Society of Nigeria 2014 to date
- Genetic Society of Nigeria 2015 to date
- International Horticultural Institute 2016 to date
- Council member of Science Association of Nigeria 2021-2023

xiii. Award Received:

- TETFund-IBR GRANT intervention grant for Batch B Research Project (RP) at the Federal University of Agriculture, Abeokuta, Ogun State, Nigeria. Assessing and broadening the genetic diversity of pepper, *Capsicum* spp through exploration and characterization of landraces in southwest, Nigeria. 2018-2022
- TETFund-IBR GRANT intervention grant for Batch B Research Project (RP) at the Federal University of Agriculture, Abeokuta, Ogun State, Nigeria. Yield promotion of pepper (*Capsicum* spp) using drip irrigation with biodegradable film mulch for dry season planting in Abeokuta, Ogun state, Nigeria. 2018-2022

xiv. Research Conducted:

- Molecular Characterization of Accessions of white *Allium cepa* L. in Nigeria.
- Bioactive, functional, and nutritional properties of underutilised legumes: Health benefits and utilization

xv. Conferences Attended:

- **Oyelakin A. S.** and Fawibe O. O. (2023). African Biodiversity and Traditional Knowledge: The past, present and future. Paper presented at the 3-day Capacity Building Workshop on African Biodiversity Conservation and Traditional Medicine Knowledge Research and Development Project held at the Conference Hall of the Conference Hotel, Abeokuta, Ogun State, Nigeria. 23 -25 May, 2023.
- Junfa W., Fawibe O. O., **Oyelakin A. S.**, Fawibe K.O. and Akihiro I. (2022). Water productivity, sink production, and varietal differences in panicle structure of rice (*Oryza sativa* L.) under drip irrigation with plastic-film mulch. Paper presented at the 3rd Crawford University Science Conference and Fair (Hybrid Edition) (CUSCAF) held at the Crawford University, Faith City, Igbesa, Ogun State, Nigeria. 6-8 December, 2022.
- Popoola J. O., Eruemulor, D. I., **Oyelakin A. S.**, Ojuederie, O. B., Aworunse, O. S. and Omotayo, O. (2022). Nucleotide Substitution Models and Phylogenic Relationship among Accessions of African Yam Bean (*Sphenostylis stenocarpa* (Hochst. ex. A. Rich.) Harms. Paper presented at the 10th International Biotechnology Conference, Exhibition

and Workshop (IBCE & W), a Biennial event of the Department of Biological Sciences held at the Covenant University Ota, Ogun State, Nigeria. 19 -22 September, 2022.

- **Oyelakin A. S.**, Kehinde, I. A., Eseoghene, A. Amaogu, C. C. and Odeniyi, A. M. (2019). Effects of *Acalypha wilkesiana* (Muell. Arg.) and Papain Extract on Cooking Duration of African Yam Bean (*Sphenostylis stenocarpa* (Hochst. ex. A. Rich.) Harms. Paper presented at the 2nd Biennial Biosciences Conference of College of Biosciences, Federal University of Agriculture, Abeokuta held at the Federal University of Agriculture, Abeokuta, Nigeria. 12 -15 November, 2019.
- Oloyede, A. R., **Oyelakin A. S.** and Oyebode, D. T. (2019). Growth Response of Chilli Pepper (*Capsicum frutescens* var. *baccatum*) to Co-inoculation with Indigenous *Bacillus* Strains. Paper presented at the 2nd Biennial Biosciences Conference of College of Biosciences, Federal University of Agriculture, Abeokuta held at the Federal University of Agriculture, Abeokuta, Nigeria. 12 -15 November, 2019.
- Fawibe, O. O., Ogunyale, O. G., **Oyelakin, A. S.** and Ayodele, M. S. (2015). A Study of Foliage Morphological Descriptions Accommodating Continuity in Previously Delimitation of Types in Tropical Plants. Paper presented at the 23rd Annual Conference of Botanical Society of Nigeria held at the University of Lagos, Akoka-Yaba, Lagos, Nigeria. 16-20 August, 2015.

xvi. Publications

- **Oyelakin, A. S.** and Ayodele, M. S. (2011). Pollen studies on four species of *Crassocephalum* (Moench.) S. Moore (Asteraceae) in Southwestern Nigeria. *Journal of Natural Sciences, Engineering and Technology (formerly ASSET)*. 10 (2): 44-51. Published by Federal University of Agriculture, Abeokuta, Ogun State, Nigeria. Available online at <https://doi.org/10.51406/jnset.v10i2.1385>
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- Idehen, E. O., **Oyelakin, S. A.**, Onikola, A.O. and Adedapo, V.O. (2016). Numerical and RAPD Analysis of Eight Cowpea Genotypes from Nigeria. *Nigerian Journal of Biotechnology* 31: 59-65. Published by Biotechnology Society of Nigeria. Available online at <http://www.ajol.info/index.php/njb/index> and www.biotechsocietynigeria.org
- **Oyelakin, A. S.**, Fawibe, O. O. and Olabiyi, D. O. (2018). Comparism of Proximate Composition and Nutritional Potentials of Four Cultivated and Four Wild Varieties of Pepper (*Capsicum* L.) in Nigeria. *Nigerian Journal of Botany (NJB)*, 31(2): 261-271. Published by Botanical Society of Nigeria (BOSON), Nigeria. Available online at <https://www.boson.org.ng>
- **Oyelakin, A. S.**, Olabiyi, D. O., Adediran, B. R. and Amaogu, C. C. (2019). Intraspecific Reproductive Variabiltilies in *Capsicum frutescens* (L.) in Nigeria. *Nigerian Journal of*

Botany (NJB), 32(1): 63-67. Published by Botanical Society of Nigeria (BOSON), Nigeria. Available online at <https://www.boson.org.ng>

- **Oyelakin, A. S.**, Olabiyi, D. O., Wang, L., Cao, Y and Idehen, E. O. (2019). Genetic Diversity of *Capsicum* (L.) Accessions from Southwest Nigeria using Simple Sequence Repeats (SSR) Markers. *Pertanika Journal of Tropical Agricultural Science (JTAS)*, 42(4): 1273-1288. Published by Universiti Putra Malaysia. Available online at <http://www.pertanika.upm.edu.my/pjtas/browse/regular-issue?decade=2020&year=2019> Indexed in Scopus.
- **Oyelakin, A. S.**, O. O. Fawibe and Olabiyi, D. O. (2019). Morphotaxonomic Re-Classification of *C. annuum* var. *accuminatum* Fingerh as *C. frutescens* var. *accuminatum*. *Journal of Natural Sciences, Engineering and Technology (JNSET) (formerly ASSET)*, 18(1): 50-67. Published by Federal University of Agriculture, Abeokuta, Ogun State, Nigeria. Available online at <https://doi.org/10.51406/jnset.v18i1.2031>
- Idehen, E. O., Labulo, A, and **Oyelakin, A. S.** (2020). Character Association and Contributions to Variability in *Corchorus* Accessions Evaluated at two Locations. *Nigerian Journal of Seed Science (NJSS)* 4(1): 20-30. Published by Association of Seed Scientists' of Nigeria (ASSN), Nigeria. Available online at <https://journal.seedscientists.org.ng/index.php/njss/article/view/18>
- **Oyelakin, A. S.**, Lamidi W. O., Olabiyi, D. O., Amaogu, C. C. and Olabisi, A. O. (2020). Pollen Morphological Studies of Selected Flowering Plants in Federal University of Agriculture, Abeokuta, Nigeria. *Nigerian Journal of Botany (NJB)*, 33(1): 69-79. Published by Botanical Society of Nigeria (BOSON), Nigeria. Available online at <https://www.boson.org.ng>
- Ayoola, S. A., **Oyelakin, A. S.**, Ajiboye, A. A., Olosunde, O. M., Kadir, M., Akinloye, O. A and Agboola, D. A. (2020). Effect of Seed Priming on the Vegetative Growth and Yield of *Capsicum annuum* L. and *Capsicum frutescens* L. *Jewel Journal of Scientific Research (JJSR)*, 5 (1&2): 115-127. Published by Federal University of Kashere, Nigeria. Available online at jjsr.fukashere.edu.ng
- **Oyelakin, A. S.**, Olabiyi, D. O., Amaogu, C. C. and Olabisi, A. O. (2021). Morphological Characterization on Accessions of Pepper (*Capsicum annuum* L. and *Capsicum frutescens* L.) cultivated in Nigeria. *Feddes Repertorium*, 132(4): 346-363. Published by Wiley Online Library, United States of America. Available online at <http://doi.org/10.1002/fedr.202000020>. Indexed in Scopus.
- **Oyelakin, A. S.**, Popoola, A. O., Olabisi, A. O. and Adekola, O. (2021). Proximate and Mineral Potentials of *Panicum maximum* (Jacq.) as a Substitute to Maize and Sorghum in Livestock Feed. *Nigerian Journal of Botany (NJB)*, 34(1): 35-43. Published by Botanical Society of Nigeria (BOSON), Nigeria. Available online at <https://dx.doi.org/10.4314/njbot.v34i1.4>

- **Oyelakin A. S.**, Omotosho, Z. O., Oyelakin, F. O., Obiwole, E. T., Olabisi, A. O., Popoola A. A. and Adekola O. O (2022). Variation in Phytochemical, Proximate, Mineral and Vitamin Contents of some Local Tomato (*Solanum lycopersicum* L.) Accessions from Nigeria. *Nigerian Journal of Seed Science (NJSS)*, **6(1): 1-13**. Published by Association of Seed Scientists' of Nigeria (ASSN), Nigeria. Available online at <https://journal.seedscientists.org.ng/index.php/njss/article/view/46>
- **Oyelakin, A. S.**, Oyelakin F. O., Mustafa, A. A., Joseph, O. J., Sokunbi, U. T. and Ajadi I. (2022). Morphological Characterization, Variability and Traits Association among Accessions of three Species of *Crassocephalum* (Moench.) S. Moore from Nigeria. *Nigerian Agricultural Journal (NAJ)*, **53(2): 105-115**. Published by Agricultural Society of Nigeria (ASN), Nigeria. Available online at <http://www.ajol.info/index.php/naj> and <https://www.naj.asn.org.ng>
- Oloyede, A. R., **Oyelakin, A. S.** and Otemoye, O. T. (2022). Influence of indigenous *Bacillus* strains on growth of bell pepper (*Capsicum annum* var. *abbreviatum* Fingerh in a green house. *Nigerian Journal of Horticultural Science (NJHS)*, **26(2): 17-25**. Published by Horticultural Society of Nigeria (HSN), Nigeria.
- *Popoola J. O., Eruemulor, D. I., Ojuedrie, O. B. and **Oyelakin, A. S.** (2023). Dataset on estimate of intra-specific genetic variability of African yam bean (*Sphenostylis stenorcapa* (Hochst. ex A. Rich.) Harms) based on rbcl gene marker. *Data in brief*. **47. 108944** Published by Elsevier BV., Netherlands Available online at <https://doi.org/10.1016/j.dib.2023.108944>. Indexed in Scopus.