

RHODA OLUWAFUNTO OGUNGBEMI

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PROFESSIONAL SUMMARY

Early-career plant physiologist and tertiary educator with an M.Sc. in Plant Biology (Physiology & Biochemistry) and a Postgraduate Diploma in Education. Research expertise centres on physiological and biochemical responses of legumes, including chlorophyll content, yield parameters, and nutrient analysis in cowpea, with additional experience in phytochemical studies. Currently serving as Lecturer III at Yaba College of Technology (Epe Campus), delivering undergraduate courses in Plant Physiology Education, Integrated Science Education, and Zoology Education under university academic standards. Combined experience includes laboratory supervision, student mentorship, seminar delivery, curriculum support, and two peer-reviewed publications. Seeking a university Lecturer position to contribute to teaching, research, and academic development in plant science and related disciplines.

EDUCATION

M.Sc. Plant Biology (Physiology & Biochemistry)

University of Ilorin, Ilorin, Nigeria | 2023

Thesis: Comparative Assessment of Chlorophyll Content, Yield Parameters and Nutrients of Three Varieties of Cowpea (*Vigna unguiculata* (L.) Walp.)

Postgraduate Diploma in Education (PGDE)

University of Lagos, Lagos, Nigeria | 2024

Research Project: Impact of Teachers' Remuneration on Their Classroom Performance and the Academic Achievement of Adolescents in Biology in Education District 1 of Lagos State

B.Sc. Plant Biology

University of Ilorin, Ilorin, Nigeria | 2016

Undergraduate Project: Proximate and Phytochemical Compositions of the Leaf and Root of *Carpolobia lutea* G. Don

RESEARCH INTERESTS

Plant Physiology and Biochemistry | Crop Yield and Nutrient Analysis | Phytochemistry of Medicinal Plants | Plant Biotechnology for Crop Improvement | Food Security and Sustainable Agriculture

RESEARCH & ACADEMIC EXPERIENCE

Graduate Research & Teaching Assistant

Department of Plant Biology, University of Ilorin, Ilorin, Nigeria | Jan 2021 – Jul 2023

- Designed and conducted physiological and biochemical experiments on groundnut (*Arachis hypogaea*) and cowpea (*Vigna unguiculata*), focusing on chlorophyll content, yield parameters, and nutrient responses.
- Performed data analysis and statistical modelling using SPSS and Microsoft Excel; prepared technical reports and research presentations.

- Delivered internal seminars to undergraduate and postgraduate students on global warming and the role of plants as a cost-effective climate mitigation strategy.
- Supervised and mentored undergraduate students in laboratory techniques, experimental design, and project execution.
- Facilitated laboratory practicals, graded assignments, and supported curriculum delivery for plant biology courses.
- Assisted academic staff in course material preparation, student assessment, and coordination of field activities.

Undergraduate Research Assistant

Department of Plant Biology, University of Ilorin, Ilorin, Nigeria | Dec 2015 – Jul 2016

- Conducted proximate and phytochemical analyses of the leaf and root of *Carpolobia lutea* G. Don using standard laboratory protocols.
- Analysed experimental data using SPSS and Microsoft Excel; prepared research reports, data presentations, and literature reviews that contributed to a peer-reviewed publication.
- Participated in departmental seminars on global warming and the role of plants in climate change mitigation.

TEACHING EXPERIENCE

Lecturer III

Department of Biological Sciences (Environmental Sciences Section)

Yaba College of Technology, Epe Campus, Lagos, Nigeria | Jan 2026 – Present

(Programs delivered under university academic standards in collaboration with the University of Nigeria, Nsukka – Education Faculty)

- Deliver lectures and practical sessions in Plant Physiology Education, Integrated Science Education, and Zoology Education at undergraduate level.
- Develop course materials, set examination questions, and prepare detailed marking guides in accordance with university and departmental standards.
- Assess student performance through continuous assessment, examinations, and seminar presentations; grade scripts and collate results.
- Supervise student seminar presentations and provide academic mentoring to support learning outcomes.
- Contribute to departmental academic activities, including curriculum support and maintenance of student academic records.

Student Teacher (Postgraduate Diploma in Education – Teaching Practice)

First Blossom Schools, Lagos (in affiliation with University of Lagos) | Oct – Dec 2024

- Delivered lessons in Basic Technology (Junior Secondary) and Data Processing (Senior Secondary) in accordance with the national curriculum.
- Applied learner-centered teaching methods to enhance student participation, engagement, and comprehension.
- Developed and implemented lesson plans, managed classroom dynamics, and conducted student evaluations.
- Gained practical experience in instructional delivery, assessment, and classroom management as part of professional teacher training.

Biology Teacher (National Youth Service Corps)

NewTrend Schools, Atan-Ota, Ogun State, Nigeria | Jan – Dec 2017

- Taught Biology, Basic Science, and Agricultural Science across junior and senior secondary levels.
- Designed lesson plans and assessed over 150 students through quizzes, tests, and examinations.
- Provided academic support and individualized guidance to students with diverse learning needs.

PUBLICATIONS

1. Olayinka, B. U., Ogungbemi, R. F., Babatunde, M. O., Mahmud, H. U., & Ogundare, G. O. (2025). Comparative assessment of chlorophyll content, yield parameters and nutrients of three varieties of cowpea (*Vigna unguiculata* (L.) Walp.). *Science World Journal*, 20(4). <https://dx.doi.org/10.4314/swj.v20i4.57>
2. Olayinka, B. U., Ogungbemi, R. F., Abinde, O. O., Lawal, A. R., Abdulrahman, A. A., & Etejere, E. O. (2019). Proximate and phytochemical analysis of the leaf and root of *Carpolobia lutea* G. Don. *Journal of Applied Sciences and Environmental Management*, 23(1), 45–53. <https://doi.org/10.4314/jasem.v23i1.9>

CERTIFICATIONS

Standard Operating Procedure (SOP) – Udemy | 2025

Artificial Intelligence Career Essentials – ALX Africa | 2024

Business Analysis – Future Academy Africa | 2023

McKinsey Forward Program – McKinsey & Company | 2022

SKILLS

Research: Experimental Design | Physiological & Biochemical Analysis | Data Analysis (SPSS, Microsoft Excel) | Literature Review | Scientific Writing | Laboratory Management

Teaching & Supervision: Curriculum Delivery | Classroom & Laboratory Instruction | Student Mentorship | Academic Assessment | Seminar Supervision

Technical: Microsoft Office Suite | Google Workspace | SPSS | Digital Literacy

Soft Skills: Communication | Critical Thinking | Problem-Solving | Team Collaboration | Leadership | Project Coordination

LANGUAGE

English (Native) | Yoruba (Fluent) | Korean (Beginner) | Chinese (Beginner)