

Ibukun Rita, KOLA- AJIBADE (nee Ogundare)

Akure, Southwest Nigeria

ibukunkolaajibade@gmail.com / +2347032738869.

EDUCATION

2017- 2022 **Doctor of Philosophy in Toxicology and Environmental Biochemistry**,
Adekunle Ajasin University, Nigeria. Graduated with a first- class division
(Average score- 71.66%).

2012 -2014 **Master of Science in Clinical Biochemistry (Chemical Pathology)**,
University of Ibadan, Nigeria. (CGPA- 4.5/ 6.00).

2003- 2008 **Bachelor of Technology in Biochemistry**, Ladoke Akintola University of
Technology, Nigeria.
Graduated with second class upper division (CGPA- 3.57/ 5.00).

SKILLS

- **Software skills:** Microsoft Office Word, Excel and PowerPoint, GraphPad Prism
- **Additional skills:** Oral and written communication, organizational, troubleshooting.
- **Research skills:** Development of questionnaires and writing of proposals, sampling of blood from test subjects, performing biochemical assays using test kits.

RESEARCH EXPERIENCE

2017-2022 **PhD. Researcher** - Department of Biochemistry, Adekunle Ajasin University,
Nigeria.

- I carried out a study on the prevalence Azo dye adulterated palm oil in Southwest Nigeria which was as a result of reported cases of adulterated palm oil in Nigerian markets.
- Contributed to extraction of tissues from experimental albino rats and subsequent gene amplification for probable toxic effect of adulterated palm oil on the expression of GPx-1, CAT, MCP-1, TNF- α , ALB, EPO, CRIM, using PCR protocol.
- Contributed to the histopathological examination for probable toxicological effect of adulterated palm oil on the micromorphology of extracted tissues.
- Contributed to the hematological analysis of blood samples using automated analyzer.

- Contributed to evaluation of Liver function tests, Renal function tests, Electrolyte balance and Lipid profile to check for effects of adulterated palm oil on the functions of the tissues, using reagent kits and results read on microplate reader.
- Co-training three master's students working on a subproject developed from my preliminary findings.
- Wrote a detailed dissertation and presented findings at the department thesis talks and also to an external examiner. The findings from the research work were published in credible journals, public health awareness was also created and various Government agencies were carried along with the results of the findings.

2012- 2014 **MSc. Researcher** – Department of Chemical Pathology, University of Ibadan, Nigeria.

- I developed a questionnaire, which was used in the collection of patients' data, done by personal interview and informed consent to investigate probable thyroid dysfunction in patients on treatment for Bipolar Disorder.
- I collected blood samples with consent from patients on treatment for Bipolar disorder especially those on Mood stabilizers and Antipsychotics at the Psychiatric unit.
- I carried out thyroid function tests using ELISA to determine the prevalence of thyroid dysfunction.
- Wrote a detailed dissertation and presented findings at the department thesis talks and also to an external examiner. Recommendations were made to the Psychiatry Department on evaluating Bipolar patients for thyroid dysfunction.

2003- 2008 **Undergraduate Researcher** – Department of Biochemistry, Ladoke Akintola University of Technology, Nigeria.

- I did a research work on the effect of *Mormordica charantia* on hematological profile of albino rats.
- I assisted in caging, feeding and caring for the experimental animals used for the research work.
- I took part in the extraction of the leaf decoction of *Mormodica charantia* and administration of *M. charantia* extract to all experimental animals except the control groups.

- Assisted in the collection of blood samples for the determination of hematological parameters.
- Wrote a detailed dissertation and presented findings at the department thesis talks and also to an external examiner.

PUBLISHED ARTICLES

- Kola-Ajibade Ibukun Rita, Jegede Rotimi Jude, Olusola Augustine Olusegun. Biochemical changes in hematological and liver parameters in albino rats exposed to azo dye adulterated palm oil (2021). *International Journal of Biomedical and Clinical Sciences*. 6(4): 137-141.
- Kola-Ajibade IR, Atere G., Olusola AO (2021). Effects of Azo Dye Adulterated Palm Oil on the Expression of Inflammatory, Functional, Antioxidant Markers and Body Weights in Albino Rats. *Journal of Toxicology and Risk Assessment*. 7:041. doi.org/10.23937/2572-4061.1510041
- Kola-Ajibade Ibukun R., Olusola Augustine O (2021). Prevalence of azo dye adulterated palm oil in Ondo State (Nigeria) and toxicological effects on liver, kidney and testicular tissues of albino rats. *Journal of Food Science and Toxicology*. Vol.5 No.4:268.
- M.A Kuti, I.R Ogundare, V.A Makanjuola (2015). Thyroid function during pharmacological treatment for Bipolar Disorder. *Nigerian Endocrine practice*. 9 (1&2):51-55.

Article under review

- Kola-Ajibade Ibukun R., Ajibola Emmanuel, Olusola Augustine O. ‘Assessment of kidney function and Lipid profile in albino rats exposed to Azo dye adulterated palm oil’.

WORK EXPERIENCE

2022 - Present University of Medical Sciences (UNIMED), Ondo State, Nigeria
(Position - Lecturer II Biochemistry Department)

Work experience outside the University system:

2016-2020 Basic Health Center, Akure, Nigeria.
(Position- Volunteer Laboratory Scientist)

2009-2010 NAOWA Children Nursery & Primary School Bauchi, Nigeria.

MEMBERSHIP OF PROFESSIONAL BODIES

Member, African Society for Laboratory Medicine (ASLM).

SCHOLARSHIPS

2003-2008 Chief Sir Akingbule Scholarship foundation (Full tuition)

2003-2009 Chief Akinsunmade Scholarship foundation (Accommodation and stipends)

NAMES AND ADDRESSES OF REFEREES:

Associate Prof. Rufus Fayose (+2349073921210)
Department of Physics,
Adekunle Ajasin University Akungba Akoko, Nigeria.
rufus.fayose@aaua.edu.ng

Dr. David Adewole (+2348034025568).
ICTAC
Adekunle Ajasin University Akungba Akoko, Nigeria.
david.adewole@aaua.edu.ng.

Dr. Joshua Ayobami (+2348032867353)
Hammonds Legal Practitioners and Consultants. 86, Oyemekun Road, Opp. Ministry of Works,
Akure, Ondo State, Nigeria.
ayobamijoshua0312@gmail.com