

HAMISU ABDULMUMINI (B.Sc., M.Sc.)
Department of Science Laboratory Technology,
Abubakar Tatari Ali Polytechnic
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Education

2018-2023 M.Sc. Physical Chemistry
Bayero University, Kano-Nigeria
Advisor: Dr. Abdullahi Muhammad Ayuba
Thesis Title: Removal of Malachite and methyl violet from aqueous solution using adsorbents derived from water lily leaves.

2010-2015 B.Sc. Chemistry
Bayero University, Kano-Nigeria
Advisor: Prof. Abba Fagge
Thesis Title: Determination of heavy metals from selected beverages sold in Kano market.

Appointment

2018-Pres Abubakar Tatari Ali Polytechnic, Bauchi
School: School of Science and Technology
Department: Department of Science Laboratory Technology
Advisor: Dr. Nuhu Sambo Gin

2017-2018 Federal Government of Nigeria (N-power Social Investment Programme)
Agency: Local Education Authority (LEA Bauchi).
Duty post: Government Junior Secondary School, W/Makafi Bauchi.
Position: Class Room Teacher

Research Interest

Adsorbents preparation/characterization
I was able to prepared different adsorbents from water lily leaves and successfully characterized the prepared adsorbents using FT-IR, point of zero charge and scanning electron microscopy (SEM)

Adsorption process
I investigated the role of certain parameters such as contact time, dosage, initial concentration, pH and temperature on adsorption of malachite and methyl violet dyes from aqueous solutions using adsorbent prepared from water lily leaves.

Publication In Press

- **H. Abdumumini** and A.M. Ayuba (2022). Reclamation of spentS solid matrices used in adsorption of malachite green and methyl violet dyes from aqueous solution. In press at **Journal of materials and Environmental Sciences**.

- **H. Abdulmumini** and A.M. Ayuba (2022). Raw water lily leaves (*Nymphaea lotus*) powder as an effective adsorbent for the adsorption of malachite green dye from aqueous solution.
In press at **Chemical Review and Letters**
- A.M. Ayuba, H. Usman, S.I. Bunu and **H. Abdulmumini** (2022). Adsorption of Malachite Green Dye Using Carbonized Water Lily Leaves: Kinetics, Equilibrium and Thermodynamics Studies.
In press at **UMYU Scientifica**.
- A.M. Ayuba, **H. Abdulmumini**, M.M Mohammed, S Daniel. Kinetics and isotherms studies of methyl violet dye adsorption onto carbonized water lily leaves (*Nymphaea lotus*) powdered.
In press at **path of science 2023 vol 9, No 2-3**
- **H. Abdulmumini**, A.M. Ayuba. The adsorptive potential of potassium hydroxide treated water lily (AWL) powdered adsorbents: isotherms, kinetics and thermodynamics studies of malachite green dye.
In press at **Mor. J. Chem., 2023 vol 11, issue 02, pp 333-349**

Manuscript In Preparation/Review Phase

- **H. Abdulmumini**, A.M. Ayuba. Adsorptive removal of methyl violet from synthetic aqueous solution using raw water lily (*Nymphaea lotus*) leaves powder.

Grant/Fellowship

- Total National Merit Scholarship Award 2012-2014
- Jiffatu Annual Scholarship, 2012
- Bauchi State Annual Scholarship, 2011-2015

Workshop/Conferences

- 29th Annual technical conference/AGM and 2nd international conference of polymer institute of Nigeria. BUK 2018
- Academic Research Proposal and Reporting organized by Garu Academic Journal Committee. ATAP 2022

Teaching Experience

2021-pres	Lecturer III thought STC111 and STC121 (General principle of chemistry and Organic Chemistry I)
2022	Lecturer III Thought STC 112 Inorganic Chemistry for ND I SLT
2022	Lecturer III thought BCH 111 general and physical chemistry ND I geology
2022	Lecturer III Thought STC 412 Thermodynamics II for HND II SLT (Chemistry option)
2018-2021	Assistant Lecturer thought STC112 and STC345 (Inorganic Chemistry I and Chemical Kinetic)
2017-2018	Part-time Lecturer thought CHE211 and CHE215(The gaseous State and Metals, Transition Elements and Alloys).
2016-2017	Class room Teacher thought junior Students basic Science and Mathematics

Administrative Experience/ Appointments

2023-pres	Departmental Assistant Exam Officer (AEO II)
2021-pres	Departmental Project Coordinator (SLT) ATAPOLY, Bauchi

2021-prea Level Coordinator/Class Adviser HND II (SLT Chemistry Option)

Volunteer and Community Services

2017-pres Thought Chemistry for O-level students at FOMWAN Model School, Bauchi

2020-pres organizing Extra moral lesson for final year secondary school

Professional Bodies

Journal Review

2022 Review for Journal of Biomass conversion and Biorefinery

Society

2023-pres Chemical Society of Nigeria (CSN)

Referees:

- Dr. Nuhu Sambo Gin
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Senior Lecturer at Federal University Gashua, Yobe State
- Dr. Muhammad Abdullahi Ayuba
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Senior Lecturer at Bayero University, Kano
- Dr. Sani Muhammad Isyaka
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Senior Lecturer at Federal University Kashere, Gombe State