CURRICULUM VITAE

**Name**  LAWAL, John Augustine (Ph.D)

**Place and Date of birth** Okaito/8th March 1980

**Gender** Male

**State of Origin/LGA** Kogi/Okehi

**Nationality** Nigerian

**Contact Address** Dept., of Chemical Sciences, Achievers University, Owo,

Ondo State, Nigeria

**Permanent Home Address** 106, Central Area, Okaito, Okehi LGA, Kogi State, Nigeria

**Marital Status** Married

**Number of Children** Three

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**Academic Links**

ResearchGate: <https://www.researchgate.net/profile/John-Lawal-4>

Google Scholar: <https://scholar.google.com/citations?user=OvhBEHYAAAAJ&hl=en>

Orcid ID: <https://orcid.org/0000-0001-9433-3188>

EDUCATIONAL INSTITUTIONS ATTENDED WITH DATES

1. University of Ilorin, Kwara State 2014 - 2021
2. University of Ilorin, Kwara State 2007 - 2010
3. University of Ilorin, Kwara State 2001 - 2004
4. Govt. Sec. School Ogaminana, Kogi State 1991 - 1997
5. LGEA Primary School Okaito, Kogi State 1986 - 1991

## **ACADEMIC QUALIFICATIONS OBTAINED WITH DATES**

1. Ph.D. Chemistry 2021
2. M.Sc. Industrial Chemistry 2010
3. B.Sc. Industrial Chemistry 2004

Second Class Honours (Upper Division)

1. West Africa Senior School Certificate Examination 1997 & 1999
2. Primary School Leaving Certificate 1991

WORK EXPERIENCE WITH DATES

1. Department of Chemical Sciences (Industrial Chemistry) 2022 to present

Achievers University, Owo, Nigeria

Academic Rank: Lecturer II

Courses Taught:

Undergraduate Courses - Analytical Chemistry, Structure and Bonding, Polymer Chemistry I & II, Surface Chemistry and Electrochemistry, Organic Synthesis and Process Science.

Postgraduate Courses - Physical Chemistry, Heterogeneous and Homogeneous Catalysis, Chemical Technology I & II, Unit Operations, Physical Chemistry of Polymers and Water Analysis.

Administrative Functions:

1. Member, Achievers University ICT committee, 2023.
2. Member, Achievers University Summit on agricultural development and food security committee, 2023.
3. Member, organizing committee, Achievers University College of Natural and Applied Science 2023 conference.
4. Member, 30% additional courses to CCMAS curriculum committee for Industrial Chemistry programme.
5. Internal examiner, Master of Science Dissertation, Department of Chemical Sciences, Achievers University, Owo, Ondo State, Nigeria, August 2022.
6. Chairman, Guidance and Counselling Committee, Department of Chemical Sciences, Achievers University, Owo, Ondo State, Nigeria.
7. Department of Chemistry, University of Ilorin, Ilorin, Nigeria 2015 - 2020

Research Assistant:

Mentored final-year and postgraduate students on laboratory techniques for industrial effluent analysis and modification of clays for adsorption;

Conduct one-on-one tutoring sessions with undergraduate students needing additional assistance.

1. Chemistry Teacher: Ebira Muslim Community College Okengwe, 2009 - 2021

Okene LGA Kogi State, Nigeria

1. Chemistry Teacher (NYSC) 2005 - 2006

Government Secondary School Wamakko, Sokoto State, Nigeria

RESEARCH AREA AND INTEREST

Area of Specialization: Physical/Industrial Chemistry

Research Interests:

1. Adsorption for remediation of heavy metal-laden industrial effluents.
2. Industrial wastewater treatment.
3. Clay mineral catalysis.
4. Catalytic conversion of oleochemicals.

INTERNSHIP AND INDUSTRIAL EXPERIENCE

1. Analysis of heavy metals using AAS spectrometer: Rotas Soil Laboratory, Ibadan. 2016 - 2019
2. Polyurethane foam production: Vita Foam Nigeria Plc., Ikeja, Lagos. 2009

Reviewer for 2 Scientific Journals:

Asian Journal of Environmental and Ecology; International Journal of Agriculture and Biology

JOURNAL PUBLICATIONS

1. **Lawal, J. A.,** Odebunmi, E. O. and Adekola, F. A.(2023).Removal of heavy metals from aqueous solutions by adsorption using natural and ammonium carbonate modified kaolinite clays. *South African Journal of Chemistry*, 77, 61 – 73. https://doi.org/10.17159/0379-4350/2023/v77a09
2. Lawal, J. A. and Anaun T. E. (2022). An Overview of characterization and treatment methods of wastewater from iron and steel industries. *Achievers Journal of Scientific Research,* 4(1), 152 - 163
3. Lawal, J. A., Odeyemi, O. T., Anaun T. E. and Omotehinwa, F. H. (2022). Characterization and Potential Industrial Applications of Kaolinite from Argungu, Kebbi State, Nigeria. *International Journal of Scientific and Engineering Research*, 13(4), 776 - 790
4. Lawal, J. A., Odebunmi, E. O. and Adekola, F. A. (2020). Adsorption of Fe2+, Pb2+, Zn2+ and Cr6+ Ions from Aqueous Solutions using natural, ammonium oxalate and sodium hydroxide modified kaolinite clay. *Ife Journal of Science,* 22(3), 1 - 23. https://dx.doi.org/10.4314/ijs.v22i3.1
5. Lawal, J. A., Odebunmi, E. O. and Adekola, F. A. (2020). Adsorption of Heavy Metals from Steel Processing Effluent on Sodium Hydroxide Modified Nigerian Kaolinite. *ChemSearch Journal*, 11(1), 35 - 43. <http://www.ajol.info/index.php/cs>
6. Lawal, J. A., Odebunmi, E. O. and Adekola, F. A. (2020). Physicochemical Analysis and Heavy Metal Content of Effluent Discharge from a Steel Processing Plant in Ilorin, Kwara State, Nigeria. *Centrepoint Journal (Science Edition)*, 26(1), 67-78.  https://dx.doi.org/[10.13140/RG.2.2.19268.50564](http://dx.doi.org/10.13140/RG.2.2.19268.50564)
7. Alafara, A. B., Adekola, F. A. and **Lawal, A. J.** (2007). Investigation of chemical and microbial leaching of a Nigerian iron ore in sulphuric acid. *Journal of Applied Science and Environmental Management,* 11(1), 39 - 45. <https://dx.doi.org/10.4314/jasem.v11i1.46831>

CONFERENCES/SEMINAR/WORKSHOP ATTENDED WITH DATES

1. Innovative strategies and novel researches in science and technology: A transformation towards sustainable economies and societies. College of Natural and Applied Sciences Conference 2023, Achievers University, Owo, Nigeria, 6th – 8th June 2023.
2. AUO training/workshop for level advisors - Building bridges with advising: student-centred approach. Achievers University. 5 – 6th May 2023.
3. Computational modelling approach in scientific research and drug design. Department of Chemical Sciences, Achievers University, Owo, Ondo State, 12 – 14th April 2023.
4. Perspective of science in mitigation of climate change and security challenges. 53rd Annual Conference of Science Association of Nigeria, Usmanu Danfodiyo University, Sokoto State, 14-18th July 2019.
5. Challenges of implementing economic diversification: The role of engineering materials and solid minerals development. 16thAnnual International Conference, Materials Science and Technology Society of Nigeria (MSN). University of Benin, Benin City, Edo State, 7th-10th November 2017.
6. Science: The key to renewable energy, green environment, empowerment and sustainable development. 51st Annual Conference, Science Association of Nigeria (SAN). Covenant University Ota, Ogun State, 9th-13th July 2017.
7. Sustainable chemistry: Industrialists and gown relationship improvement for research excellence. American Chemical Society (ACS) Nigerian Chapter symposium. University of Ilorin, Kwara State, 19th-22nd March 2017.
8. X-ray Diffraction in structural elucidation (principle & practice). University of Ilorin, Ilorin, Kwara State, 20th-21st January 2009.

PAPER PRESENTATION AT CONFERENCES ATTENDED

1. **Lawal, J. A.,** Folorunsho O. M. andSanni, I.Adsorption of Pollutants from Pharmaceutical Wastewater using Sodium-Hydroxide Modified Bentonite Clay. College of Natural and Applied Sciences Conference (6 – 8th June 2023), Achievers University, Owo, Nigeria.
2. **Lawal, J.A**.,Odebunmi, E.O. and Adekola, F.A. Physicochemical analysis and adsorption of heavy metal-laden steel processing effluent on modified kaolinite clay. 53rd Annual Conference of Science Association of Nigeria (14-18th July 2019), Usmanu Danfodiyo University, Sokoto State, Nigeria.
3. **Lawal, A.J.,** Odebunmi, E.O. and Adekola, F.A. Characterization of three kaolin clay deposits in Nigeria and their potential industrial applications. 16th Annual International Conference of Nigerian Material Congress (7-10th November 2017), University of Benin, Edo State, Nigeria.
4. **Lawal, A.J.** Comparative study and GC-MS analysis of biodiesel produced from castor oil in presence of potassium hydroxide and cocoa pod ash as catalysts.

51st Annual Conference, Science Association of Nigeria (9-13th July 2017), Covenant University, Ota, Ogun State, Nigeria.

ANALYTICAL EQUIPMENT EXPERTISE

Operational knowledge of analytical instruments: FT-IR spectrophotometer (Nicolet iS5), AAS (Buck Scientific 210 VGP), UV-Vis, pH meters, Electrical Conductivity meter, etc.

PROFESSIONAL SOCIETY MEMBERSHIP: Science Association of Nigeria (SAN)

COMPUTER SKILLS: MS Office, OriginPro, Design-Expert software, DataWarrior, Maestro 11, Chimera and Spartan 10.

EXTRA-CURRICULAR ACTIVITIES: Reading and watching TV documentaries.

REFEREES

1. Dr O. S. Ileasnmi

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