

# Emmanuel Oise Ikpefan

PHARMACEUTICAL RESEARCHER – Pharmacognosy, QA/QC & Bio-analytical Research

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📍 [Ontario](#)

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## SKILLS

- **Natural Products Chemistry:** Expertise in plant-based compound isolation and analysis for therapy.
- **Laboratory SOP Development & CAPA Implementation:** Establishing SOPs and corrective actions
- **Research QA/QC & Audits:** Ensuring quality and control through laboratory audits and documentation.
- **Bio-analytical Research:** Experience with GC-MS, HPLC, NMR, TLC, and UV-Vis for compound analysis.
- **Regulatory Compliance & Health Canada Cannabis Act:** Knowledgeable in GMP, GLP, GCP standards.

## WORK EXPERIENCE

### Academic Lecturer/Researcher

*Delta State University*

August 2012 – Present

*Nigeria*

- Coordinated and delivered undergraduate and postgraduate courses in Pharmacognosy, Phytochemistry, and Herbal Toxicology, engaging 100+ students per academic year and enhancing course completion rates by 20%.
- Supervised M.Sc. and Ph.D. thesis research, overseeing 15+ students annually, fostering critical research on anticancer Phytochemical characterization, and contributing to 10+ published papers in high-impact journals.
- Directed laboratory quality assurance initiatives as the Laboratory QA Coordinator, ensuring strict adherence to GMP, GLP, and GCP research standards, resulting in 100% compliance during regulatory audits and assessments.
- Conducted advanced pharmacological research, emphasizing phytochemical isolation, bio assays, and molecular analysis, advancing 5+ significant research projects, including anticancer screenings with promising results.
- Implemented research-driven curriculum enhancements, increasing student engagement by 15% overall, improving student knowledge retention, and triumphantly preparing students for professional careers in pharmacognosy.
- Designed and developed innovative research methodologies in herbal toxicology, leading to the identification of novel Therapeutic compounds, directly influencing 3 ongoing collaborative interdisciplinary research projects.
- Facilitated interdepartmental research seminars, fostering academic collaboration between 5+ research groups, and ensuring productive cross-disciplinary engagement in the field of drug discovery, and phytochemistry.

### Research: Science Classroom Assistant Teacher

*St. Patrick High School – Thunder Bay Catholic District School Board*

October 2024 – Present

*Ontario*

- Guided in the preparation and management of science laboratory experiments, enhancing laboratory efficiency by 30% and ensuring the accurate setup and calibration of equipment for over 200 students in practical sessions.
- Enhanced faculty in implementing stringent safety protocols, closely monitoring student compliance with laboratory safety regulations and WHMIS standards, resulting in zero safety violations during all lab sessions.
- Coordinated with teaching staff to organize and facilitate interactive and engaging science lessons, increasing student participation by 25% overall and improving academic outcomes for over 100 students in diverse subjects.
- Enhanced academic assessments and grading, ensuring accuracy, efficiency, and timeliness in evaluating over 150 student projects and lab reports, contributing to consistent academic standards and fairness in grading.
- Monitored and reported on classroom hygiene and sanitation standards, maintaining strict adherence to public health guidelines, and ensuring a clean, safe, and productive academic learning environment for all students.
- Introduced advanced digital tools for data analysis and graphing, Considerably improving students' scientific computing skills by 40% and reducing manual errors in experiment documentation and reporting accuracy.
- Managed and facilitated study groups for students, providing targeted academic support and enhancing learning outcomes by 20% in end-of-term science examinations, improving overall academic performance and retention.

## EDUCATION

### Ph.D., Pharmacognosy & Natural Products Chemistry

*University of Benin, Nigeria*

### Pre-Doctoral Research Program

ICCBS – University of Karachi, Pakistan

### M.Sc., Pharmacognosy & Natural Products Chemistry

*University of Benin, Nigeria*

July 2009 – November 2011

### B.Sc., Plant Biology and Biotechnology

*University of Benin, Nigeria*

July 2000 – December 2004

## CERTIFICATIONS

- **Cannabis & Opioid Overdose Awareness** – DATAC Canada
- **Food Handler Certificate** – Canadian Institute of Food Safety
- **Advanced Cannabis Course** – DATAC Canada
- **GC-MS Analyst & Chromatography** – Royal Society of Chemistry