

Oluwafemi Ogunlalu

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EDUCATION

Purdue University

PhD. Organic & Materials Chemistry

West Lafayette, IN

Aug. 2018 – Present

University of Reading

MS. Food Technology; GPA: Distinction

Reading, England

Sep. 2017 – Aug. 2018

Federal University of Technology Akure

BS. Industrial Chemistry; GPA: First Class (4.8/5.0)

Akure, Nigeria

Nov. 2011 – Aug. 2016

WORK EXPERIENCE

Polymers for Optoelectronics & Widespread Energy Research Lab

West Lafayette, IN

Graduate Researcher

Nov 2018 – Present

- Synthesis and characterization of organic molecules & polymers.
- Design of new verdazyl-based radical polymers.

Food for Diabetes & Cognition, University of Reading

Reading, UK

Graduate Research Assistant

May 2018 – Aug. 2018

- Optimized production and extraction process of polyphenols using colloidal gas aphrons (CGA).
- Successfully experimented a low-cost extraction method for obtaining polyphenols from blackcurrant pomace using whey.
- Trained two Visiting Professors on CGA technology and its application to small-scale production firms.

EIT Food Generator Track

Reading, UK & Osnabruck, Germany

Food Packaging Leader

Feb. 2018 – Oct. 2018

- Worked as part of a new product development team disrupting food wastage in Europe. Headed the food packaging section of a croquette-like product made from less-wanted potatoes.
- Actively participated in designing food safety and processing directions for the team.
- Carried out large-scale product testing at Deutsches Institut für Lebensmitteltechnik's (DIL) Facility, Germany.
- Received technical and financial backings from EUFIC, DIL, Puratos and Colruyt Groups.

Seven-Up Bottling Company (SUBCo)

Lagos, Nigeria

Quality Control Intern

Jul. 2015 – Nov. 2015

- Responsible for quality control analyses for a vast range of beverage brands.
- Worked in the CO₂ production plant and assisted in coordinating its supply across production lines.
- Assisted the Environmental Lab in carrying out processes for the reduction of organics and metal ions in effluents.

LEADERSHIP

- **Teaching:** Taught & supervised 200+ students in General Chemistry at Purdue University for 3 semesters.
- **Research:** Mentored undergraduate students on polymer synthesis and characterization for 2 semesters.
- **Laboratory:** Presently serving as the Safety Officer – a role I have held for 4 semesters.
- **Department:** I sit on the board of the Professional Development Committee and organize career workshops for >300 graduate students.
- **Mentoring:** Coached >50 graduate students of African descent to win scholarships across Europe & North America.

SKILLS

- **Languages:** English (Fluent), Yoruba (Native)
- **Technical:** Polymer Synthesis, Chromatography, Characterization of molecules (UV, AAS, NMR, EPR, MS, DSC, GPC, IR), High Proficiency in the use of MestreNova, LoggerPro, Origin and ChemDRAW.
- **Soft:** Strong communication, adaptability, team-spirit and innovation-centric.
- **Interests:** Travelling, music, soccer and volunteering (Purdue BGSA, Purdue Chemistry & Purdue Chi Alpha)

AWARDS: EIT Food Recognition Award (2018), Purdue Doctoral Scholar (2018), Commonwealth Shared Scholar (2017), Dean's List (2011-2016), Department & Faculty Prizes (2016), APM Terminals Scholar (2016), SCSN Excellence Award (2016)