

USMAN ABUBAKAR KATSINA

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Faculty of Petroleum Refining and
Petrochemistry,
Petroleum and Gas University,
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RESEARCH INTEREST

Environmental Remediation
Material Synthesis
Photocatalysis

EDUCATION

PhD Chemical Engineering October 2021-Present
University: Petroleum and Gas University, Ploiesti, Romania
Committee: Professor Diana-Luciana Cursaru (supervisor), Professor Dragos Ciuparu (member), Dr. Sonia Mihai (member), Dr. Danuta Matei (member)

MSc Physical Chemistry April 2018
University: Bayero University, Kano, Nigeria
Dissertation: Optimized deposition of CuI thin films by successive ionic layer adsorption and reaction method.
Supervisor: Professor Umar Ibrahim Gaya

BSc Industrial Chemistry March 2011
University: Bayero University, Kano, Nigeria
Second class upper division
Project: Adsorption of water-borne Pb^{2+} over chemically-treated leaves of *Tridax Procumbens*
Supervisor: Professor Umar Ibrahim Gaya

RESEARCH EXPERIENCE

Doctoral Student
Petroleum and Gas University, Ploiesti, Romania 2021-present

Supervisor: Professor Diana-Luciana Cursaru

- Fabrication and characterizations of nanocomposites photocatalysts.
- Performing photo-assisted tests on photocatalysts.

HONOURS AND AWARDS

- Romanian Government Scholarship Award** 2021-2024
Tuition and accommodation funding scholarship for PhD program
- Petroleum Technology Development (PTDF) Scholarship Award** 2012
Full funding scholarship for Petroleum Drilling and Completion Engineering Training program

WORKING EXPERIENCE

- Bayero University Kano, Nigeria** April 2018 - September 2020
Assistant lecturer, Department of Pure and Industrial Chemistry
- Taught Bachelor students' practical courses.
 - Taught Bachelor students' physical chemistry courses.
 - Supervised final year undergraduate projects.
- Bayero University Kano, Nigeria** July 2012 - April 2018
Graduate assistant, Department of Pure and Industrial Chemistry
- Taught Bachelor students' practical courses.
 - Assisted in teaching lower level physical chemistry courses.
 - Assisted in supervision of final year undergraduate projects.
- Nigeria Petroleum Development Company, Nigeria** March 2013 – Aug. 2013
Supervisor level graduate trainee, Drilling section
- Assisted in supervision of on-shore drilling operations.

PROFESSIONAL DEVELOPMENT TRAINING

- **Training/Workshop** Nov. 26-30 2012
French Institute of Petroleum (IFP), France
- **Rotary drilling well control program** Aug. 2012 – Dec. 2012
French Institute of Petroleum (IFP), France
- **JSA risk assessment lifting/rigging practice, rig practice and practice on equipment** Nov. 12, 2012
French Drilling School (EFF) France,
- **Access Nigeria World Bank initiated program** Feb. 3 – April 16, 2012.
- Digital Bridge Institute (DBI), Nigeria

COMMUNITY SERVICE

- Department of Pure and Ind. chemistry, Bayero University Kano** 2014 - 2020
Guidance and counselling to undergraduate students

LANGUAGES

English: Official Language, Excellent levels in Listening, Speaking, Reading, and Writing.

Romanian: Intermediate levels in in Listening, Speaking, Reading, and Writing.

Hausa: Native Language, Distinguished levels in Listening, Speaking, Reading, and Writing.

OTHER SKILLS AND COMPETENCES

Spectroscopic and microscopic characterization techniques.

Iunie 2024

Usman Abubakar Katsina