# USMAN ABUBAKAR KATSINA

**DoB**: 18.02.1987 Faculty of Petroleum Refining and

Petrochemistry,

**Phone No**: +40756662727 Petroleum and Gas University,

39 Bucharest Boulevard, 100680, Ploiesti-Prahova.

### RESEARCH INTEREST

Environmental Remediation Material Synthesis Photocatalysis

**Email**: aukatsina.chm@buk.edu.ng

### **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<sup>2+</sup> 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