

## **CV Prof. Zainab Mohammed Abdulllah Almarhoon**

**Nationality:** Saudi

**Languages:** Arabic, English

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### **Professional Summary**

A highly accomplished Professor in Chemistry at King Saud University with expertise in the synthesis and characterization of heterocyclic compounds, nanomaterials, and metal-organic frameworks. Recognized for significant contributions in green chemistry, environmental applications, and microwave-assisted synthesis. Award-winning researcher and educator with a strong publication record and leadership in academic committees.

### **Academic Employment**

**Professor of Organic Chemistry**, Department of Chemistry, King Saud University (2025)

**Associate Professor of Organic Chemistry**, Department of Chemistry, King Saud University (2020 – 2025)

**Assistant Professor of Organic Chemistry**, Department of Chemistry, King Saud University (2014 – 2020)

**Lecturer**, Department of Chemistry, King Saud University (2012 – 2014)

**Teaching Assistant**, Department of Chemistry, King Saud University (2010 – 2012)

### **Education**

**Ph.D. in Chemistry**, King Saud University, Saudi Arabia (2014)

**Master's in Chemistry**, King Saud University, Saudi Arabia (2007)

**Bachelor's in Chemistry**, Imam Abdulrahman Bin Faisal University, Saudi Arabia (2000)

### **Research Interests**

- Synthesis and characterization of heterocyclic compounds, peptides, and nanoparticles
- Metal-organic frameworks and environmental applications

## **CV Prof. Zainab Mohammed Abdulllah Almarhoon**

- Green chemistry and microwave synthesis of biologically active compounds
- Isolation of natural products and photocatalytic degradation for water purification

### **Current Research Projects**

Principal Investigator: Research Group Contract (RGP-070) - Heterocyclic Compounds

Research Support Project: (RSPD2023R603)

Research Support Project: (RSPD2024R603)

### **Awards & Recognitions**

Qatif Achievement Award (2015)

Excellence in Scientific Research, Science College (2023)

Excellence in Teaching, Science College (2023)

### **Leadership & Committee Roles**

Member, Development and Quality Committee, Chemistry Department, 2025 – Present.

Member, Academic Accreditation and Assessment Committee, Chemistry Department, 2025 – Present.

Member, Safety and Laboratories Committee, Chemistry Department (Female Campus), 2025 – Present.

Member, Poster Organization Committee, Female Campus, College of Science, 2026 – Present.

Member, Poster Evaluation Committee, Female Campus, College of Science, 2026 – Present.

Member, Graduate Studies Scheduling Committee, College of Science, 2026 – Present.

Coordinator, Organic Chemistry Course, Chemistry Department, (2021 - 2023)

Member, Student Affairs Committee, Chemistry Department, (2022 - 2025)

Member, Talent Discovery and Development Unit (2023 - 2025)

Coordinator, Laboratory & Safety Committee, Chemistry Department (2018 - 2023)

Member, Laboratory & Safety Committee, Chemistry Department (2024- Present)

Member, Public Relations & Community Partnership Committee, Chemistry Department (2018 - 2025)

## **CV Prof. Zainab Mohammed Abdulllah Almarhoon**

### **University & Community Service**

Supervisor of Research Assistant Internship Program

Supervisor & Co-Supervisor of master's students

Supervisor of undergraduate students

Examiner for undergraduate and master's research projects

Reviewer for scientific journals and conferences

Organizer of social, cultural, and academic events to enhance university-community engagement

### **Professional Memberships**

Materials Research Society - American Chemical Society - Saudi Chemical Society - Saudi Inventors Association.

### **Publications**

[https://scholar.google.com/citations?user=dFu\\_XnwAAAAJ&hl=en](https://scholar.google.com/citations?user=dFu_XnwAAAAJ&hl=en)

### **Conference Presentations**

International Chemistry Conference (2011, 2016, 2018)

Spring Meeting (2015)

ICCRD (2019)

ACS National Meetings (from 2020 till now)

International Green Chemistry & Engineering Conferences (2020, 2021)

PSCO 2024 - Perovskite Solar Cells and Optoelectronics (2024)

ICIS Middle Eastern Base Oils & Lubricants Conference (2024)

### **Workshops & Training**

Nuclear Magnetic Resonance Spectroscopy Applications (2023, 2024)

Safety in Science Laboratories (2017, 2019)

Calorimetry & Thermal Analysis (2018, 2019)

Gas Chromatography-Mass Spectroscopy Training (2018)

## **CV Prof. Zainab Mohammed Abdullah Almarhoon**

Over 20+ professional development courses from the Deanship of Skills Development, King Saud University

**For more details, visit:**

ORCID Profile <https://orcid.org/0000-0001-8196-2612>

Google Scholar Profile [https://scholar.google.com/citations?user=dFu\\_XnwAAAAJ&hl=en](https://scholar.google.com/citations?user=dFu_XnwAAAAJ&hl=en)