

## CURRICULUM VITAE

### PERSONAL DATA

|                    |                                  |
|--------------------|----------------------------------|
| <b>Name</b>        | Amal Abdullah Alageel            |
| <b>Nationality</b> | Saudi                            |
| <b>Position</b>    | Assistant Professor of Chemistry |
| <b>E-Mail</b>      | amkhaalageel@imamu.edu.sa        |
| <b>Phone</b>       | —                                |

### EDUCATION

| <b>Year</b> | <b>Academic Degree</b> | <b>Institution</b>                       |
|-------------|------------------------|------------------------------------------|
| 2025        | PhD in Chemistry       | University of Sheffield, United Kingdom  |
| 2018        | MSc in Chemistry       | University of Manchester, United Kingdom |

### WORK EXPERIENCE

| <b>Period</b>       | <b>Position</b>                  | <b>Address</b>                                                                  |
|---------------------|----------------------------------|---------------------------------------------------------------------------------|
| Jan 2022 – Present  | Assistant Professor              | Imam Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia                 |
| During PhD studies  | Laboratory Demonstrator          | University of Sheffield, Sheffield, United Kingdom                              |
| Sep 2010 – Jan 2022 | Teaching Assistant               | Shaqra University, Saudi Arabia                                                 |
| 2019 – 2020         | Chemistry Department Coordinator | College of Sciences and Humanities, Huraymila – Shaqra University, Saudi Arabia |

### RESEARCH INTERESTS

Scientific Research; Higher Education Teaching; Laboratory Instruction; Scientific Writing; Curriculum Development

### PUBLICATIONS

1. **Engineering a Gold (III)-Modified Cathode for Electro-Fenton Degradation of Ciprofloxacin: Linking Structure, Reactivity, and Detoxification**

- RSC *Advances*, 2026, 16(35), 35996–36018.  
DOI: 10.1039/D6RA03532A
2. **Engineered Dy<sub>2</sub>O<sub>3</sub>-Sm<sub>2</sub>O<sub>3</sub>@RuO<sub>2</sub> Ternary Metal Oxides Nanostructure Functionalized GCE for Enhanced Electrocatalytic Detection of Acetophenone**  
*Microchemical Journal*, 2026, 225, 117958.  
DOI: 10.1016/j.microc.2026.117958
3. **Design, Microwave-Assisted Synthesis, and Biological Evaluation of Novel 1,3-Thiazolidin-4-One Hybrids: Insights From DFT, Molecular Docking, and ADMET Profiling**  
*Chemistry & Biodiversity*, 2026, 23(6), e71379.  
DOI: 10.1002/cbdv.71379
4. **Discovery and Evaluation of Spirofluorenes Based on Imidazolidinedione as Insecticidal Agent Leads**  
*Chemistry & Biodiversity*, 2026, 23(5), e71327.  
DOI: 10.1002/cbdv.71327
5. **A Comparative Analysis of Bioactive Phytochemicals in *Cynanchum viminalis* (L.) L. and *Pergularia daemia* (Forssk.) Chiov. from Saudi Arabian Folk Medicine**  
*The Science of Nature*, 2026, 113(1), Article 3.  
DOI: 10.1007/s00114-025-02039-2
6. **An Orthogonal Supramolecular Approach toward Protein Binding and Protein Sensing Using Dendrimers as Scaffolds for the Noncovalent Assembly of Binding and Sensing Groups**  
*ACS Materials Au*, 2025, 5(5), 849–857.  
DOI: 10.1021/acsmaterialsau.5c00049