



An-Najah National University
Chemistry Department
Rasha Bourini

Personal Information

- Full Name: Rasha Waleed Bourini
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Academic Profile

- Ph.D. candidate and Lecturer in the Department of Chemistry at An-Najah National University with research interests in organic analytical chemistry, cyclodextrin-based polymers, wastewater treatment, and environmental remediation.

Education

- Ph.D. in Organic Analytical Chemistry, An-Najah National University, Palestine (Expected 2026).
- Dissertation: Co-Polymer of β -Cyclodextrin and Phytic Acid with Dual Binding Sites for Metal Ions and Organic Matters: Design, Synthesis and Application in Wastewater Purification.
- M.Sc. in Chemistry (Organic Analytical Chemistry), An-Najah National University, 2016–2019.
- Thesis: Application of Cross-Linked β -Cyclodextrin for the Removal of Toxic Metals from Wastewater.
- B.Sc. in Organic Chemistry, An-Najah National University, 2011–2015.
- Graduation Project: Enzymatic Degradation of Olive Mill Solid Waste into Ethanol.
- Scientific Secondary School Certificate, Asira Al-Shamaliya Girls Secondary School, 2007–2011.

Academic and Professional Experience

- Lecturer, Department of Chemistry, An-Najah National University, Palestine (4 September 2021 – 6 June 2026).

Courses Taught / Coordinated

- Practical General Chemistry I (10231107)
- Practical General Chemistry II (10231108)
- Practical General Chemistry for Health Studies (10231115)
- Practical Analytical Chemistry for Health Sciences (10231214)
- Practical Organic Chemistry I (10231235)

- Practical Organic Chemistry I for Health Sciences (10231239)

Research Interests

- Cyclodextrin-Based Polymers
- Wastewater Treatment and Purification
- Environmental Remediation
- Organic and Analytical Chemistry
- Polymer Chemistry

Laboratory and Instrumentation Skills

- FTIR, NMR, UV–Vis, TGA, DSC, SEM
- Vacuum Filtration Apparatus
- pH Meter
- Centrifuge
- Sample Preparation and Purification

Computer Skills

- Origin
- ChemDraw
- Microsoft Office Suite
- Moodle LMS

Languages

- Arabic (Native)
- English (Professional Working Proficiency)

References

- Available upon request.