

SHATHA MOHSEN ALHARTHI

Saudi Arabia
shathamohsen36@gmail.com

Professional Objective

Ambitious and driven graduate passionate about advancing scientific knowledge and creating innovative solutions that address global challenges. Known for strong leadership, commitment to continuous learning, and dedication to excellence in both individual and team-based work. Eager to contribute original ideas and lead transformative research that makes a lasting impact on the world.

Education

- Bachelor of Science in zoology Sciences
- Graduated top of the class with academic distinction.

Research Projects

- Research Projects (Team Leader)
- Cell response to novel therapies in sickle cell anemia — Jan–Apr 2023
- Led experiments on immune cell behavior; presented findings internationally.
- Gene expression profiling in leukemia immunotherapy — May–Aug 2023
- Studied gene regulation in treated vs untreated cases.
- PRP as adjunct therapy for coagulation disorders — Sep–Dec 2023
- Assessed PRP efficacy and safety; contributed to clinical recommendations.

Personal Skills

- Laboratory analysis and biological diagnostics. Proficient in PCR techniques and cell culture handling. DNA extraction and genetic sequencing basics. Scientific research writing and technical reporting. Data analysis using SPSS and GraphPad Prism. Statistical analysis and interpretation of biological data. Effective communication and academic writing. Problem-solving and critical thinking skills. Project management and leadership skills. Time management and multitasking. Teamwork and achieving shared goals. Proficient in Microsoft Office (Word, Excel, PowerPoint, Outlook). High attention to detail and quality assurance. Ability to work under pressure and meet tight deadlines

Scientific Conferences & Presentations

- EMBO Workshop: New Approaches to Combat Antimicrobial Resistance — Sweden, 2023 (Poster presentation)
- FASEB Science Research Conference on Microbial Pathogenesis — France, 2023 (Oral presentation)
- European Congress of Biotechnology — Netherlands, 2022 (Poster presentation)
- Saudi International Conference on Applied Microbiology — 2022 (Oral presentation)
- Saudi Society of Hematology Annual Meeting — 2023 (Attendee)

Experience

- Research Intern — King Fahd Medical Research Center
- 07 June 2023 – 03 January 2024
- Conducted laboratory work on immune markers and blood disorders.
- Assisted in clinical sample preparation, PCR, ELISA, and cell culture assays.
- Analyzed data using SPSS and R; contributed to manuscript drafts.

Team Leadership & Coordination

Led interdisciplinary student teams (5-10 members) for research and community projects. Organized meetings, delegated tasks, and ensured timely submission of project deliverables.

Teaching Assistant (Volunteer)

Teaching Assistant — Undergraduate Biology Labs
14 February 2025 – 14 June 2025
Assisted professors in undergraduate biology labs: molecular biology techniques, immunoassays.

Awards & Honors

Academic Excellence Award — 2023
Leadership in Student Activities Award — 2022
Best Poster Presentation — Saudi International Conference on Applied Microbiology, 2022

Skills

Scientific Research: Experimental design, grant writing (introductory), scientific communication
Lab Techniques: PCR, qPCR, ELISA, flow cytometry (basic), gel electrophoresis, cell culture, spectrophotometry
Data Analysis: SPSS, R, Prism, advanced Excel
Bioinformatics: BLAST, MEGA, Geneious, NCBI tools
Soft Skills: Leadership, time management, public speaking, teamwork, problem-solving
Languages: Arabic (native), English (advanced proficiency)

Volunteer Work & Leadership

President, Biology Club — Organized seminars, journal clubs, student competitions
Volunteer, national health awareness campaigns — Infectious disease prevention, blood donation drives
Volunteer, environmental initiatives — Marine ecosystem protection, beach clean-up projects
Organizer, student science fair — Mentored junior students, judged presentations

Extracurricular Training & Workshops

Introduction to Flow Cytometry — Online Short Course, 15 June 2024
Basics of Grant Proposal Writing — University Training Program, 20 March 2024
Scientific Writing for Publication — University Workshop, 10 September 2025