

FATIMA ALI KARAMSHAHI

BACHELOR OF SCIENCE IN CHEMISTRY

Member in the American Chemical Society

OBJECTIVE

Knowledgeable Student talented at learning quickly and adding value to any team. Solid academic achievement paired with demonstrated commitment and integrity. Confident passionate about learning new skills. Ambitious and driven individual ready and willing to work hard and learn from professionals. The core of my career is to foster sustainable development through research.

EXPERIENCE

QATAR UNIVERSITY, RESEARCH WORK

Student in UREP30-074-1-014

Title: Food Security, Major Crops Irrigated with Desalinated Water: Occurrence of Organophosphate Pesticides and Potential Health Risks

Active student in UREP29-101-1-025

Title: Desalinated Water, Major Crops Irrigated with Desalinated Water, Milk and Milk Products: Deficiency of Essential Minerals and Potential Health Risks

Active student in UREP24-121-1-029

Title: Synthesis and development of sensitive fluoride sensors in aqueous media and real environmental samples

QATAR UNIVERSITY, PART-TIME JOB

- Outreach and Engagement department (Alumni relation sector) (FEB 2023 - NOV 2023)
- College of Arts and Sciences Academic Hub - worked in Success Oasis teaching inorganic course (CHEM221) (OCT 2021 - NOV 2021)
- University Textbook Section - worked for 33 hours (AUG 2020)

INTERNSHIPS

- Qatar Environment & Energy Research Institute (QEERI) (Sep - Nov 2023)
Program title: Waste Water Treatment & Reuse (May 2022)
- Central Laboratories Unit (Qatar University)
Program title: Drinking and Ground Water Analysis for Organic and Inorganic Contaminants by using Different Analytical Techniques (June 2021)
- Central Laboratories Unit (Qatar University)
Program title: Nuclear Magnetic Resonance (NMR): Basic Theory, Spectral Analysis and Industrial Applications (June 2020)
- Central Laboratories Unit (Qatar University)
Program title: Atomic and Molecular Spectroscopy: Fundamentals, Instrumentations and Techniques

- Worked for on-campus department to gain hands-on experience.
- Prepared reports, presentations and articles using Microsoft Office.
- Built positive relationships with professors and assisted with research and innovation.
- Worked with teachers to enhance lab participation and understanding.
- Attended conferences to gain new perspectives on latest research.

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[Fatima Karamshahi \(researchgate.net\)](https://www.researchgate.net/profile/Fatima-Karamshahi)

EDUCATION

IELTS CERTIFICATE 2023

Overall score: 6.5

PUBLICATIONS

El-Shafie, A.S., Karamshahi, F. & El-Azazy, M. Turning waste avocado stones and montmorillonite into magnetite-supported nanocomposites for the depollution of methylene blue: adsorbent reusability and performance optimization. Environ Sci Pollut Res (2023). <https://doi.org/10.1007/s11356-023-30538-0>

SENIOR RESEARCH PROJECT 2023

Turning Waste Avocado Stones and Montmorillonite into Magnetite-Supported Nanocomposites for the Depollution of Methylene Blue: Adsorbent Reusability and Performance Optimization

BACHELOR OF SCIENCE - QATAR UNIVERSITY Fall 2023

Major: Chemistry
Minor: Public Health
GPA: 3.07
Dean's list: fall 2018 and spring 2020

SECONDARY SCHOOL 2018

Al-Khor Independent High School
Final grade: 93.81%

HEALTH PROFESSIONS AWARENESS PROGRAM 2018

FIRST RESPONDER BASIC COURSE 2018

Hamad International Training Center

SKILLS

- Research and Analysis
- Information Research and Sourcing
- Attention to Detail
- Data Entry
- Safety Procedures
- Time Management
- Deadline Driven
- Team Development

ACHIEVEMENTS

- Awarded 2nd place in the poster competition in the 4th International Sustainability Conference 2023.
- The Continuing Professional Development of Health Professionals Unit CPD-HP (QU- Health) certificate for successfully attending the CPD Conference. Saturday, May 6, 2023
- Certificate of participation in a simulation of the World Health Assembly during the 1st session of the Global Model WHO (GMWHO), February 10, 2023 – February 19, 2023.
- Certificate of excellence for outstanding performance in English and research skills - Qatar University, June 2022.
- Received certificate from Qatar University Young Scientists Center for completing the 2022 Summer Research Internship on "Drinking and Ground Water Analysis."
- Certificate of completing the summer research internship 2021 on the topic "Nuclear Magnetic Resonance (NMR)" central laboratories unit, office of research and graduate studies - Qatar University, 2020.
- Certificate of completing the summer research internship 2020 on the topic "atomic & molecular spectroscopy" central laboratories unit, office of research and graduate studies - Qatar University, 2020.
- Dean list, college of arts and sciences, spring 2020
- Certificate of Attending health professions awareness program, HMC – 2018.
- Dean list, college of arts and sciences, Fall 2018
- Certificate of attending the first responder basic course at Hamad international training center, 2018.
- Completing IELTS preparation course, Qatar university – 2017.
- Certificate of achievement from Qatar Environment and energy research institute at Hamad bin Khalifa University for receiving first place in the project of "astrolabe" as a part of Qatar national Olympiad 2017.
- Active participation in mental exercise workshop, education festival workshops, QNCC – 2017.
- Certificate of participation in the anatomy competition, Department of Biology, Alkhor independent secondary school.
- Bright spark, Brain bee competition, HBK University – 2016.
- Winning First Place in the "Geniuses of Physics" competition, Alkhor independent secondary school – 2016.
- Certificate of Participating in The Initial Training, International Fame Lab Talking Science – 2016.
- Certificate of Participation Qatar STEAM Fair – 2015.
- Distinguished participation in the Seventh National Exhibition for Student Research and Education Conference, The national Research Student Fair – 2015.
- Certificate of Achievement "INJAZ Qatar Personal Economics", INJAZ Qatar 2014 – 2015.
- Super Scientist Award, Educational Wameeth Establishment - 2011
- Academic excellence certificate, Alkhor elementary school 2008 -2009.

CONFERENCES AND EVENTS

- Poster presenter in the ACS MEA Regional Conference: Chemistry for Future Sustainable Societies, **February 4-7, 2024 (Abu Dhabi, UAE).**
- Oral/Poster presenter in the 4th International Sustainability Conference 2023, **October 30-31, 2023 (Doha, Qatar)**
- Poster presenter in the technical program for American Chemical Society conference ACS Fall 2023, **August 13-17, 2023 (San Francisco, CA)**
- Poster presenter in the First International Biomaterials Conference in Qatar: Biomaterial, Biosensor and Microfluidics Technologies for Medical Applications. **6-7 May 2023 (Doha, Qatar)**
- Organizer in QU Alumni Reunion **2023 (Doha, Qatar)**
- Attending the Global Model WHO conference in collaboration with WFUNA and WHO, **10 – 19 February 2023**
- Volunteering at the 3rd Chemistry Festival in Qatar organized by QUACS, **14-15 September 2022 (Doha, Qatar)**
- ACS Research Conference: Chemistry and Chemical Engineering in MENA **09-11 May 2022 (Doha, Qatar)**
- The Qatar University - American Chemical Society Student Chapter virtual Event. **18-21 Oct 2021 (Virtual)**
- ACS Fall 2020 Virtual Meeting & Exposition. **17-20 Aug 2020 (Virtual)**
- AstroCon the 1st Astronomy Conference in Qatar. **April 2017 (Doha, Qatar)**