

Aysel Eminli

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Education

Ph.D. in Chemistry (2026-present)	University of Oklahoma / Norman, OK, USA
B.Sc. (Hons.) in Chemistry (2020-2024)	Baku State University / Baku, Azerbaijan; Overall GPA: 3.8/4.0

Research Experience

Undergraduate Researcher

2022-2023 Baku State University / Baku, Azerbaijan

Research Outline

Title: Sustainable purification of water contaminated with dyes

Details: The study investigated the removal of Arsenazo III dye from clean water using various adsorbents and evaluated their efficiency through systematic sampling and characterization via photoelectric calorimetry and UV-Vis spectroscopy. Research Supervisor: Dr. Rasim Alosmanov.

Undergraduate Researcher

09.2023 – 12.2023 Khazar University, Baku, Azerbaijan

Research Outline

Title: The electrospinning of polymers

Details: The project investigated the electrospinning of polymers to determine how solution viscosity, concentration, and electrochemical properties influence the characteristics of the resulting nanofibers. Research Supervisor: Dr. Rasoul Moradi.

Teaching Experience

Graduate Teaching Assistant	at Department of Chemistry and Biochemistry of
09.2026-present	University of Oklahoma / Norman, OK, USA
Chemistry Teacher	at Junior-Senior High School N:135
02.2024-07.2024	/Baku, Azerbaijan

Publications

Conference papers:

- *Aysel Hasanova, "The Importance of Games in Teaching Chemistry", International Scientific Symposium of "Karabakh is Azerbaijan", 2023, ISBN: 978-605-06166-8-2*
- *Ibragimova Maia and Aysel Hasanova, "Opportunities and Ways to Develop Research Abilities of Students in the Process of Learning", International Scientific Symposium of "Actual Problems of Science: In the Light of National Unity and Solidarity", 2022, ISBN: 978-605-72212-3-0.*

In progress:

- *The article with the title "Recent Advances in Magnetic Nanoparticles for Cancer Diagnosis and Therapy" is submitted and currently being revised.*

Awards and Honors

<i>3rd Place</i>	at Nationwide Chemistry Olympiad among University Students / Baku, Azerbaijan, 2023
<i>State Academic Scholarship (Merit-based)</i>	Awarded full monthly academic scholarship for 4 consecutive years based on top academic performance at Baku State University during 2020-2024

Certificates

*Introduction to Chemistry:
Structures and Solutions*

an online non-credit course provided by Duke
University via Coursera

*Teaching in University
Science Laboratories*

an online non-credit course provided by
University of Amsterdam via Coursera