

CURRICULUM VITAE

Adnan Deshaee

PERSONAL INFORMATION

- **Mailing Address:** Department of Geology & Environmental Science, University of Pittsburgh, Pittsburgh, PA 15260-3332
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EDUCATION

- **PhD in Geology and Environmental Science**, University of Pittsburgh, Pittsburgh, Pennsylvania (Expected 2029).
Research focus: Boron geochemistry and isotope tracing in urban watersheds
- **Master of Science in Environmental Geology**, University of Kharazmi, Tehran, Iran (2016-2019).
- **Bachelor of Science in Geology**, University of Zanjan, Zanjan, Iran (2012-2016).

TEACHING EXPERIENCE

<i>Spring, 2025</i>	<u>Teaching Assistant</u> , Natural Disasters (Instructor: Dr. Michael Ramsey), Department of Geology and Environmental Science, University of Pittsburgh.
<i>Fall, 2018 – Sept 2019</i>	<u>Teaching Assistant</u> , Principles of Environmental Geochemistry (Instructor: Dr. Ata Shakeri), Department of Earth Science, University of Kharazmi.
<i>Spring 2017 and 2018</i>	<u>Teaching Assistant</u> , Environmental Geology (Instructor: Dr. Meisam Rastegari Mehr), Department of Earth Science, University of Kharazmi.
<i>Fall 2019</i>	<u>Teaching Assistant</u> , Air pollution (Instructor: Dr. Meisam Rastegari Mehr), Department of Earth Science, University of Kharazmi.

Fall 2019

Teaching Assistant, Marine Environmental Geology
(Instructor: Dr. Meisam Rastegari Mehr), Department of
Earth Science, University of Kharazmi.

RESEARCH EXPERIENCES

- Boron geochemistry in Critical Zone Cluster project, Fall Zone watersheds (Philadelphia, Baltimore, Washington, DC, Raleigh, USA)
- Hydrogeochemistry, circulation path and arsenic distribution in Tahalb Aquifer, East of Taftan volcano, SE Iran.
- Hydro-geochemistry and heavy metal contamination of Damavand Thermal Springs.
- Source identification of pollutants in the Chahnimeh Water Reservoir, Sistan and Baloochestan Province, Iran.
- Qualitative monitoring of agricultural effluents of sugarcane developing plan, flowing into Khorramshahr (Naseri) Wetland, for assessing pesticides and feasibility of using in Haloculture Program (a strategy for economic and sustainable use of various agricultural saline wastewaters), 2018.

RESEARCH INTERESTS

- Hydrogeochemistry • Environmental Geochemistry and Biogeochemistry • Water, groundwater, soil, and sediment contamination • Environmental impact assessment • Environmental risk management • climate change

AWARDS & HONORS

- Awarded an **Andrew W. Mellon Predoctoral Fellowship** for the academic year 2025-2026
- Awarded **Dr. J. Frederick and Ann Sarg** Research (April 2025)
- **Top researcher** award at the Department of Earth Science, Kharazmi University, (2019).

UNIVERSITY SERVICE

- **Pittsburgh Water Collaboratory**
Graduate Representative (2025)

PUBLICATIONS

- **JOURNALS:**

- **Deshae**, A., Shakeri, A., Taran, Y., Mehrabi, B., Farhadian, M., Zelenski, M., Chaplygin, I. and Tassi, F., 2019. Geochemistry of Bazman thermal springs, southeast Iran. *Journal of Volcanology and Geothermal Research*, p.106676.
- Ghoreyshinia, S.K., Shakeri, A., Mehrabi, B., Tassi, F., Mehr, M.R. and **Deshae**, A., 2020. Hydrogeochemistry, circulation path and arsenic distribution in Tahlab aquifer, East of Taftan Volcano, SE Iran. *Applied Geochemistry*, p.104629.
- **Deshae**, A., Shakeri, A., Mehrabi, B., Mehr, M.R. and Ghoreyshinia, S.K., 2022. Occurrence, origin and health risk of arsenic in water and palm dates from the Bazman geothermal field, SE Iran. *Geothermics*, 102, p.102378.
- Mehr, M.R., **Deshae**, A. and Shakeri, A., 2019. “Investigating contamination and sources of heavy metals and polycyclic aromatic hydrocarbons (PAHs) in surface sediment of Qarasoo River, Kermanshah”.

- **PRESENTATIONS (POSTER):**

- **A. Deshaee**, D.J. Bain, K. G. Hopkins, M. McWilliams, J. Moore, E. O'Donnell, K.L. Prestegaard, L. Toran, and C. Welty, “Boron Dynamics in Urban Streams: Tracing Sources and Distribution Patterns” *Catchment Science: Interactions of Hydrology, Biology and Geochemistry*, Andover, New Hampshire, United States, Jun 22 - 27, 2025.
- **A. Deshaee**, M. A. Mokhtari, “Geological and geotouristical features of Quri Qaleh cave, northwest of Ravansar”, 33th national Conference on Earth science, February 22-23, Tehran, Iran, 2015, (In Persian).