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Education and Professional Career

2023-present PhD in Chemical Engineering, The University of Manchester, Manchester, UK
2017-2020 M.Sc. in Mechanical Engineering, Isfahan University of Technology, Isfahan, Iran
2013-2017 B.Sc. in Mechanical Engineering, Isfahan University of Technology, Isfahan, Iran

Commitment, Appointments and Scientific Volunteer Jobs

2026-present Member, InterPore - International Society for Porous Media.
2026 Volunteer, 12th Session of The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES-12), Manchester, UK.
2025-present Postgraduate Research (PGR) Volunteer Representative, Department of Chemical Engineering, The University of Manchester, UK.
2024-present Graduate Teaching Assistant (GTA) for nine undergraduate and postgraduate courses, The University of Manchester, UK.
2023 Technical Exhibition Representative, 23rd International Building and Construction Industry Exhibition, Tehran, Iran.
2019-2023 Mechanical Design Engineer, Water & Energy department, BTS Industries Group, Isfahan, Iran.
2018-2019 Teaching Assistant (TA) for four undergraduate courses, Isfahan University of Technology, Isfahan, Iran.

Professional Awards, Offers and Recognitions

2026 Three Minute Thesis (3MT) Competition Award, The University of Manchester
2026 Doctoral Training and Development Support Fund, The University of Manchester
2025 Best Poster Award, Annual PGR Conference, The University of Manchester
2023 Dean's Doctoral Scholarship for PhD Studies, The University of Manchester

Publications

- [1] M. Shahrzadi, M. Davazdah Emami, A.H. Akbarzadeh. "Heat Transfer in BCC Lattice Materials: Conduction, Convection, and Radiation." *Composite Structures* 284 (2022): 115159.
- [2] M. Hajahmadi, (Author), M. Shahrzadi, (Editor). "Design and Installation Guide for Heating and Water Supply Systems" (Book in Persian). 2023.
- [3] M. Shahrzadi, M. Farahani, S. Holmes, V. Niasar. "Highly Efficient Modelling of Two-Phase Flow and Pressure Build-up in PEM Fuel Cell Gas Channels Using Discrete Particle Method." Manuscript under review. 2026.