

Ali Jafarian Dehkordi

Professor, Faculty of Mechanical Engineering
Tarbiat Modares University

Education:

- [B.Sc.](#): Mechanical Engineering, Thermofluids, Sharif University of Technology, Iran
- [M.Sc.](#): Mechanical Engineering, Energy Conversion, Sharif University of Technology, Iran
- Ph.D.: Mechanical Engineering, Energy Conversion, Sharif University of Technology, Iran

Areas of Expertise:

- Heat recovery and combined Heat, Power, and Desalination systems
- Cryogenic cooling technology and modeling of pulse tube cryocoolers
- Process design and modeling in thermal, membrane, and hybrid desalination technologies
- Zero Liquid Discharge (ZLD) Desalination technology

Some Professional Background:

- CEO and Board Member of Avin Palayesh Niroo Engineering Company
- Faculty Member at Tarbiat Modares University
- Head of the Energy Conversion Department and Deputy for Academic Affairs at the Faculty of Mechanical Engineering
- Director of Research and Laboratory Affairs at Tarbiat Modares University
- Deputy for Research and Technology at the Iran National Science Foundation (INSF)
- Deputy for Strategic Planning at the Iran National Science Foundation (INSF)

Honors and Publications:

- Selected in the National Student Olympiad during the [M.Sc.](#) period
- Ranked 2nd in the International Khwarizmi Festival and winner of the Research and Innovation Award (2008)
- Named Top Researcher at the university on multiple occasions
- Selected in the Sheikh Mofid Program by the National Elites Foundation
- Authored over 50 peer-reviewed journal articles with top ISI indexing (see Scholar and Scopus links)
- Authored over 30 peer-reviewed papers presented at prestigious national and international conferences