ALI **NAEIMI** TABASIAN

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https://scholar.google.com/citations?user=s2CmwDAAAAAJ&hl=en

EDUCATION

2021-PRESENT
Ph.D. student in Environmental Engineering,
Politecnico di Torino, Torino, Italy

2016-2019
M.Sc. in Chemical Engineering (Process Design),
Ferdowsi University of Mashhad, Mashhad, Iran
(Overall GPA: 3.91/4)

2012-2016
B.Sc. in Chemical Engineering,
Ferdowsi University of Mashhad, Mashhad, Iran
(Overall GPA: 3.38/4)

RESEARCH INTEREST

- Process Intensification
- Process Modeling, Design & Optimization
- Energy Integration
- Adsorption based Desalination
- Membrane Distillation
- Catalytic Reactive Systems

PUBLICATIONS

JOURNAL PAPERS

- Armin Fazlinezhad, Ali Naeimi, Elham Yasari, Theoretical investigation of ethane oxidative dehydrogenation over MoVTeNbO catalyst in fixed-bed reactors with intermediate water removal, Chemical Engineering Research and design, Volume 146, June 2019, Pages 427-435
- Ali Naeimi, Seyed Mostafa Nowee, Hossein Ali Akhlaghi Amiri, Numerical simulation and theoretical investigation of a multi-cycle dual-evaporator adsorption desalination and cooling system, Chemical Engineering Research and design, Volume 156, April 2020, Pages 402-413
- Ali Naeimi Tabasian, Francesco Ricceri, Matteo Morciano, Giorgio Boscheri, Rachele Perelli, Matteo Fasano, Alberto Tiraferri, Modeling and experimental evaluation of membrane distillation aimed at urine treatment for direct potable reuse in space stations, Desalination, Volume 572, March 2024

ACADEMIC PROJECTS

- Numerical simulation and performance investigation of a new configuration for adsorption desalination (M.Sc. Thesis)
- Investigation of proposed configuration for ethane oxidative dehydrogenation System
- Natural Gas Treatment Plant simulation in Aspen Hysys
- Heat Integration of Gasoline Desulfurization Plant
- Natural Gas transportation pipeline design with Matlab

EXPERINCE

- Collaboration with Thales Alenia Space for working on waste water treatment assembly in ISS (2023)
- Teaching Assistant for Ground Water Engineering and Pollutant Dynamics courses (2023)
- Research Assistant in a Polymer Research Project about the quality of rubber products (2014-2016)
- Internship in PouyaGostar khorasan, Mashhad, Iran (Summer 2015)

SOME STUDIED COURSES

- Energy Integration
- Process modeling and simulation
- Computer aided Design
- Life Cycle Assessment
- Optimization
- Advanced Kinetics and Reactor Design
- Water Desalination

SKILLS

COMPUTER SKILLS

- Mathwork Matlab
- Aspen Hysys
- Aspen Plus
- Aqtesolve
- Aspen Energy Analyzer
- Simulink
- Surfer

LANGUAGE SKILLS

- English (Fluent)
- Italian (beginner)

TEST RESULTS

IELTS   Overall: 8

GRE   Verbal + Quantitative: 317