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Amir Hossein Reihani

To Pursue Academic and Scientific Research in:
- **Experimental Research:** Energy Storage and Management, Sustainable Energy Technology, Nanotechnology, Environmental Engineering, Drug Delivery

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EDUCATION

University of Semnan, Semnan, Iran
- *M.Sc. in Chemical Engineering – Nanotechnology (Oct2020-present)*

Thesis: Synthesis and Characterization of $Zn/CeO_2/SiO_2$ Nanostructure by the Sol-Gel method for electrochemical hydrogen storage

Ferdowsi University of Mashhad (FUM), Mashhad, Iran
- *B.Sc. in Chemical Engineering (Oct 2014-Jan 2019)*

GPA: 3.33/4 (16.16/20) / GPA of Last Two Years: 3.42/4

Sadra Top-Governmental Pre-University, Bojnourd, Iran

- **Mathematics Science (Sep 2013- Sep 2014)**
  GPA: 4/4 (19.34/20)

LANGUAGES

- **English: IELTS**, Overall: **6.5** (R: 6.5, L: 6.5, S: 6.5, W:6)

HONORS & AWARDS

- **National Nanotechnology Competition (Olympiad), Nanotechnology Innovation Council (INIC), July 2020**
  Ranked among top 100 Students in Iran.
- **Kharazmi National Festival, August 2012**
  My thesis accepted as the best project of the province and one of the best projects of the country.
- **Teachers Aptitude Test for Nanotechnology, Nanotechnology Innovation Council (INIC), January 2022**
  Rank 22 among top 122 selected students of the country

Extra-Curricular Activities

- **Chemical Engineering Association, Ferdowsi University of Mashhad (2018)**
  Holding national Polymer Conference
- **Member of Nanotechnology Teachers Net in Iran**

Experience

- **Process Engineer, Khorasan Petrochemical Company, Bojnourd (July 2017- Sep 2017)**

  I worked at ammonia, urea, and melamine plants at this company as my intership period. But, I predominantly worked at ammonia plant with nominal capacity of 1000 tons per day.

- **Teacher, North Khorasan Province, Bojnourd (December 2021- Present)**

  Introducing Nanotechnology and its application to college and school students.

Courses	• Matlab, Ferdowsi University of Mashhad (Feb 2015- Jun 2015) • Aspen Hysys, Ferdowsi University of Mashhad (Oct 2017- Dec 2017) • Aspen Pluse, Ferdowsi University of Mshahad (Sep 2018- Nov 2018) • X-Ray Difraction Analysis for nanomaterials, Semnan University (Feb 2021- Jul 2021)

Skills	**Software skills**: Matlab, Aspen Plus, Aspen Hysis, Latex, Origin Pro, Xpert, **Material Characterization**: FTIR, XRD, SEM, TEM, EDS, DLS

References	• Dr. Seyed Mahmoud Mousavi, Professor, from department of chemical engineering, faculty of engineering, Ferdowsi Univesity of Mashhad mmousavi@um.ac.ir • Dr. Mohammad Ali Fanaei Sheykholeslami, Associate Professor, from department of chemical engineering, faculty of engineering, Ferdowsi Univesity of Mashhad fanaei@um.ac.ir • Dr. Hossein Ali Akhlaghi Amiri, Associate Professor, from department of chemical engineering, faculty of engineering, Ferdowsi Univesity of Mashhad ha.akhlaghi@um.ac.ir • Dr. Mehdi Mousavi Kamazani, Associate Professor, from University of Semnan Mousavi.6666@gmail.com