



Abdolhamid Khodadadi

Date of birth: [REDACTED] **Nationality:** Iranian | **Gender:** Male |

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Address: [REDACTED]

ABOUT ME

Strong foundation in chemical engineering principles, including process design, optimization and control. Specialized knowledge in nanotechnology, including synthesis, characterization and application of nanomaterials.

In addition, knowledge and experience in chemistry labs and in techniques and equipments related to nanotechnology, including: high resolution microscopies (AFM, SEM and XRD), electrospinning and TGA. Experienced in teamwork and effective communications.

Passionate about leveraging technology to drive innovation and solve challenges in science and engineering.

EDUCATION AND TRAINING

23/09/2006 – 01/08/2010

DIPLOMA HIGH SCHOOL Ehsan complex university

Website <https://ehsanedu.com/> | **Field of study** Mathematics and physics

23/09/2011 – 15/08/2015

B.SC CHEMICAL ENGINEERING Persian Gulf University of Bushehr

Website <https://pgu.ac.ir/en> | **Field of study** Chemical engineering and processes | **Final grade** 14.68 out of 20 |

Thesis AIR SEPARATION BY PRESSURE SWING ADSORPTION (PSA)

19/09/2019 – 20/07/2023 Rome, Italy

M.SC NANOTECHNOLOGY ENGINEERING Sapienza University of Rome

Address piazzale aldo moro 5, 00185, Rome, Italy | **Website** <https://www.uniroma1.it/> | **Final grade** 98 out of 110 |

Thesis Optimization of electrospinning procedure for the production of nanocomposite polymeric fibers

WORK EXPERIENCE

10/08/2011 – 10/08/2012

PART-TIME ADVISOR FOR HIGH SCHOOL STUDENTS KANOON FARHANGI AMOOZESH

- Providing practical advice to students in the choice their future major and subject of their studies according to their talents, abilities and interests, Teaching students how to study based on scientific methods (12 hours/week)

Website <https://www.kanoon.ir/>

01/09/2014 – 01/06/2015

TEACHER ASSISTANT CHEMICAL ENGINEERING FACULTY OF PERSIAN GULF UNIVERSITY

- Teacher assistant courses of Unit operations of chemical engineering and problem solving of Differential equations course for fresh students (10 hours/week)

Website <https://pgu.ac.ir/en>

01/07/2015 – 20/02/2016

CHEMICAL ENGINEERING INTERNSHIP JAM PETROCHEMICAL COMPLEX

Learned about the design, operation, and optimization of chemical processes used in petrochemical plants. Also learned about the different types of equipments and technologies used in petrochemical plants, such as distillation towers, reactors, heat exchangers, and pumps.

14/10/2022 – 14/04/2023

ATOMIC FORCE MICROSCOPY (AFM) INTERNSHIP CONSIGLIO NAZIONALE DELLE RICERCHE (CNR)

- Internship on use of Atomic Force Microscopy on Electrospun Fibers (Total 150 hours)

Website <https://www.cnr.it/>

LANGUAGE SKILLS

Mother tongue(s): **PERSIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B2	B2	B2
ITALIAN	A2	A2	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Computer and Programming

Microsoft Office | Gwyddion | Microsoft Excel | originpro | Microsoft Powerpoint | Google Drive | Google Docs | Matlab | Aspen HYSYS & Aspen Plus | Outlook | Zoom | LinkedIn | Social Media | Internet user

ADDITIONAL INFORMATION

RECOMMENDATIONS

DANIELE PASSERI Associate Professor at Sapienza University of Rome

Supervisor of Master thesis at Sapienza university

Email Daniele.Passeri@uniroma1.it

EUGENIO FAZIO Associate Professor at Sapienza University of Rome

Professor of nanotechnology engineering the Optics course at Sapienza university

Email eugenio.fazio@uniroma1.it

CARLO MASSIMO CASCIOLA Full time professor at Sapienza University of Rome

Professor of nanotechnology engineering fluid mechanics course at Sapienza university.

Email carlomassimo.casciola@uniroma1.it

COMMUNICATION AND INTERPERSONAL SKILLS

Competences Excellent relation skills, both face to face and with a broader audience

Effective communication skills in written and oral presentations, with in-depth analytical and statistical knowledge, and a strong aptitude for solving problems and critical thinking
Organized, Self-motivated & Enthusiastic Technical and R&D professional
Good in searching, thinking and finding solutions
+ Smiling person :)

CONFERENCES AND SEMINARS

15/05/2015 – 19/05/2015 – Persian gulf university of bushehr
Health , Safety and environment (HSE) conference As member of the staff

18/09/2020 – 21/09/2020 – Sapienza university of Rome/Italy
Nanoinnovation 2020 As member of the staff

18/09/2022 – 22/09/2022 – Sapienza university of Rome/Italy
Nanoinnovation 2022 As auditor

PUBLICATIONS

[Optimization of Extended UNIQUAC Parameter for Activity Coefficients of Ions of an Electrolyte System using Genetic Algorithms](#)

– 2017

Korean Chemical Engineering Research , 55.5: 652-659

[Solubility Prediction of Etodolac, Lamotrigine, Diazepam and Clonazepam in Cosolvent Mixtures Using UNIQUAC Model](#)

– 2022

Iranian Journal of Chemistry and Chemical Engineering, 41.6: 2013-2024