



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 5767

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Chimica**

Scientist- in - charge: **Prof. Emma Gallo**

[Roozbeh Ghani]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Ghani
Name	Roozbeh

PRESENT OCCUPATION

Appointment	Structure
laboratory supervisor	Bistoon tile company, Iran, Kermanshah, since January 2023

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Chemical engineering	Razi University	2015
Specialization			
PhD			
Master	Chemical engineering	Amirkabir University of Technology	2019
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of	Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
ENGLISH	101 in the TOEFL-iBT test (R=28, L=23, S=23, W=27).

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award

TRAINING OR RESEARCH ACTIVITY

I have acquired experience of process and reactor modelling both during my graduation thesis and in the subsequent working experience at Petrochemical Research and Technology Company, Tehran, Iran, In particular I'm proficient user of the following tools: MATLAB, Aspen Plus, Aspen HYSYS

PROJECT ACTIVITY

Year	Project

PATENTS

Patent

CONGRESSES AND SEMINARS

Date	Title	Place
January 2019	16th Iranian national congress of chemical engineering	Tehran, Iran
November	2nd international biennial conference oil,	Bushehr, Iran.



2018	gas, and petrochemical conference	
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PUBLICATIONS

Books
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]

Articles in reviews
Analysis of the Combined Ammonia Production and Cyclohexane Dehydrogenation by a Novel Bifunctional Reactor June 2019 Energy & Fuels journal, Impact: 4.654 Citation: 4 Link: https://doi.org/10.1021/acs.energyfuels.9b01088
Conceptual comparison of four configurations in the thermal coupling of ammonia synthesis and 2-butanol dehydrogenation May 2019 Applied Thermal Engineering journal, Impact: 6.465 Citation: 7 Link: https://doi.org/10.1016/j.applthermaleng.2019.03.057
Comparison of co-current and counter-current flow in a bifunctional reactor containing Ammonia synthesis and 2-butanol dehydrogenation to MEK January 2019 International Journal of Hydrogen Energy, Impact: 7.139 Citation: 10 Link: https://doi.org/10.1016/j.ijhydene.2018.11.028
A new reactor concept for the combined production of ammonia and methyl ethyl ketone January 2019 Journal of flow chemistry, Impact:3.264 Citation: 4 Link: https://doi.org/10.1007/s41981-018-00029-2
Mathematical Modeling of Thermally Coupled Cyclohexane Dehydrogenation and Nitrobenzene Hydrogenation Reactors December 2022 Journal of Chemical and Petroleum Engineering, Indexed in Scopus DOI: 10.22059/JCHPE.2022.337736.1380



Congress proceedings
Simulation of hydrogen cycle in hydrogenation and dehydrogenation reactors 16th Iranian national congress of chemical engineering, Tehran, Iran January 2019
Simulation and Optimization of an Ammonia Synthesis Reactor Using Genetic Algorithm 2nd international biennial conference oil, gas, and petrochemical conference, Bushehr, Iran. November 2018
Simulation and Optimization of a methyl ethyl ketone Synthesis Reactor Using Genetic Algorithm, 2nd international biennial conference oil, gas, and petrochemical conference, Bushehr, Iran. November 2018

OTHER INFORMATION

Job experience: Petrochemical Research and Technology Company, Tehran, Iran. Doing a project on two-dimensional modeling and optimization of an industrial ammonia synthesis reactor in Khorasan petrochemical plant as the largest chemical producer in the north and north east of the country.
Internship at Kermanshah Petrochemical Industries Co, Kermanshah, Iran. Development of practical skills and improvement of knowledge by getting familiar with Urea, Ammonia, and Utility units as well as the petrochemical equipment.

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: _____Iran, Kermanshah_____, ____9/5/2023_____