



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 4326

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of one type B fellowships at Dipartimento di Fisica, Scientist- in - charge **Prof. Nicola Manini**

Seyed Mohammad Amin Koochaki Mohammadpour

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Koochaki Mohammadpour
Name	Seyed Mohammad Amin
Date of birth	04/06/1987

PRESENT OCCUPATION

Appointment	Structure
Lab chief of smart polymers and nanocomposites research group at school of chemical engineering, Iran University of Science and Technology	Advising master students in the field of simulations

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
PhD	Polymer Chemical Physics, Rheology, Surface Phenomena	Iran University of Science and Technology	2019
Master	Advanced Heat Transfer, Advanced Chemical Thermodynamic, Advanced Mass Transfer, Process Exergy Analysis, Advanced CHEM. ENG. Mathematics, Pinch Technology, Multicomponent Separation, Advanced Kinetics & Reaction Engineering	University of Tehran	2012
Other (Sabbatical leave)		Technical University of Endhoven	2018



FOREIGN LANGUAGES

Languages	level of knowledge
English	Fluent
Persian	Fluent

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2012	Grant from Iran Nanotechnology Initiative Council due to using functionalized carbon nanutube for wastewater treatment.

TRAINING OR RESEARCH ACTIVITY

Collaboration with Alvaro Gonzales Garcia about direct coexistence simulations for colloid-polymer mixtures.
Collaboration with Alessandro Ianiro about DOX diffusion coefficient through PEO-b-PCL micelles.

PROJECT ACTIVITY

Year	Project
2019	Modification of cellulose surface in order to increase its solubility.
2019	Increase the thermal conductivity of a polymeric system by confining with inorganic bilayer sheets.

CONGRESSES AND SEMINARS

Date	Title	Place
2018	Study the Micellization of γ -Substituted Poly (ϵ -caprolactone)-poly (β -amino ester) with MARTINI Coarse-grained Force Field	International Seminar on Polymer Science & Technology (ISPST 2018), Tehran, Iran.
2018	Molecular Dynamics Simulation Insight into the Effect of Repeating Unit on the Transition Temperature of γ -Substituted Poly (ϵ -caprolactone) Oligomers in Water	DPD-2018, Lunteren, The Netherlands.
2016	A New Method for on-Chip Phase Separation of Liquid-Liquid Flow in Microchannels	AIChE Annual Meeting, San Francisco, CA, USA.
2014	Simulation Insight for Decorated Porous Graphene as a Water Desalination Membrane	2nd International Training Workshop, Conference and Exhibition on Desalination, Tehran, Iran
2014	Synthesis of Graphene Using Chemical Reduction of Exfoliated Graphite Oxide and Its Characterization	The 8th International Chemical Engineering Congress & Exhibition, Kish, Iran
2014	Introducing Hierarchical Nanostructure into Graphene/PVDF Nanocomposite Films to Induce Superhydrophobicity	IWCPE-2014: International Workshop on Chemical and Petroleum Engineering, Koc University, Istanbul, Turkey



2014	Chitosan/poly(caprolactone) Nanofibrous Scaffold for Control Release of Hydrocortisone	International Conference, NanotechItaly2014, Venice, Italy
2014	Bioinspired Superhydrophobic PVDF/Graphen Nanofibrous Film	International Conference, NanotechItaly2014, Venice, Italy

PUBLICATIONS

Articles in reviews
A. Koochaki, M. Moghbeli, S. Javan Nikkhah, Effect of γ -Substituted Poly(ϵ -caprolactone) Chain Length on Coil-to-Globule Transition Temperature in Water: A Molecular Dynamics Simulation Study, Chemical Physics, (527) 2019, 110506.
A. Koochaki, M. Moghbeli, S. Javan Nikkhah, Coil-to-globule Transition of Thermo-responsive γ -Substituted Poly (ϵ -caprolactone) in Water: A Molecular Dynamics Simulation Study, Current Applied Physics, (18) 2018, 1313-1319.
R. Moradi, M. Shariati, A. Koochaki, Preparation and Characterization of Polyvinylidene Fluoride/Graphene Superhydrophobic Fibrous Films, Polymers, 7(8) 2015, 1444-1463.
A. Koochaki, M. Mostaedi, A. Talebizadeh, F. Naderi, Adsorption isotherm, kinetic, thermodynamic and desorption studies of lanthanum and dysprosium on oxidized multiwalled carbon nanotubes, Journal of Dispersion Science and Technology, (35:2) 2014, 244-254.
F. Naderi, A. Talebizadeh, M. Mostaedi, A. Koochaki, Adsorption ability of oxidized multiwalled carbon nanotubes towards aqueous Ce(III) and Sm(III), Korean Journal of Chemical Engineering, (30) 2013, 448-445.

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.

Place and date: Tehran, Iran, 03/09/2019

SIGNATURE

A. Koochaki