

## Curriculum Vitae for Dr. J. Hosseini



### Personal Data:

Name	Surname	Nationality	Sex	Email
Javad	Hosseini	Iranian	Male	J-hosseini@iaups.ac.ir

### Current (Since August 2017):

Assistant Professor of Faculty of Pharmaceutical Chemistry, Islamic Azad University of Medical Sciences, Tehran (IAUMST).

### Educational Background (Last One First):

Certificate Degree	Field of Specialization	Name of Institution Attended	Date Received
Ph.D	Applied Chemistry	University of Tabriz, Iran	2014
M.Sc	Applied Chemistry	University of Tabriz, Iran	2009
B.Sc	Applied Chemistry	University of Tabriz, Iran	2007

Title of Doctorate Thesis (Ph.D): Anti-proliferative and anti-platelet drugs delivery from nano self-assembled monolayers for a potential use in metallic stents: applicable in treatment of heart diseases

Title of M.Sc Thesis (M.Sc): Preparation of a silica based nano catalyst and optimization of epoxy resin curing by it

### Selected Papers (Internationally refereed Journals):

- ✓ A rapid and cost effective method for measurement of cyclosporine (Journal: IEEE sensors journal, 2013, IF=1.85).
- ✓ Design and evaluation of mixed self-assembled monolayers for use in everolimus eluting coronary stents (Journal: colloids and surfaces b biointerfaces, 2013, IF=4.15).
- ✓ Interactions of anti-proliferative and anti-platelet drugs with self-assembled monolayers: a future strategy in stent development (Journal: RSC Advances, 2014, IF=3.84).

### Papers Presented at National and International Scientific Assemblies:

- ✓ Development of an environmentally safe corrosion inhibitor for mild steel in 3.5% NaCl (7th Biennial Electrochemistry seminar of Iran (7BESI)- 2007).
- ✓ Preparation of the MCM-41 supported transition metal-based catalyst and optimization of epoxy resin curing by it (Australasian Polymer Symposia (32APS)- 2011).
- ✓ Preparation of a silica based nano catalyst and optimization of epoxy resin curing by it (8th Nanotechnology Iranian Student Conference- 2010).
- ✓ Anti-proliferative and anti-platelet drugs delivery from self-assembled monolayers for a potential use in metallic stents: applicable in treatment of heart diseases (5th International NanoMedicine Conference, Australia- 2014).

### Patents:

- ✓ Preparation of poly amine based epoxy resin hardener and curing of epoxy resin by it (2009/PT. No 60304\_ CE. No 415/000446).
- ✓ Growing ornamental plants in a phosphorescent polymeric matrix (2016/PT. No 89268).

### Research Projects (Supported by National and Industrial Research Grants):

- ✓ Detection and measurement of cyclosporine by quartz crystal nanobalance nanobiosensor (Supported by University of Tabriz office of research affairs, 2011-2013).
- ✓ Process for the manufacture of ethylene-amines (supported by Petrochemical Research & Technology Company, 2013-2015).

### Teaching Experience:

Title of Course	Level	Dates	
		From	To
Chemical Literatures	BSc	2011	2013
Basic Principles and Calculations in Chemistry	BSc	2015	
General Chemistry Laboratory	BSc	2016	
Industrial Chemistry (1)	BSc	2016	
Industrial Chemistry (2)	BSc	2017	
Petroleum Chemistry and Technology	BSc, MSc	2016	
Leather Chemistry and Technology	BSC	2016	
General Chemistry	BSc	2016	
Water Chemistry	BSc, MSc	2016	
Petrochemical Processes	MSc	2017	
New Topics in Applied Chemistry	MSc	2017	

### Work experiences:

- ✓ East Azerbaijan Science & Technology Park (2010-2011). Researcher and Chemical Analyzer
- ✓ University of Tabriz (2011-2013). Lecturer
- ✓ Tebyan.net, Academic Counseling Center (2012-2014). Academic Counselor
- ✓ Pharmaceutical Sciences Branch, Islamic Azad University (2015-2017, Now it is merged with two other medical branches and is known as Islamic Azad University of Medical Sciences). Assistant professor

### Executive experiences:

- ✓ Member of Education Development Office; Pharmaceutical Sciences Branch, Azad University (educational planning committee).
- ✓ Member of Education Development Office; Pharmaceutical Sciences Branch, Azad University (Student Advisory Committee).
- ✓ Member of Research Committee; Faculty of Pharmaceutical Chemistry, Pharmaceutical Sciences Branch, Azad University.
- ✓ CEO of Tooshe Institute for finding talented persons.

### Workshops:

- ✓ Leadership, Decision making techniques, Strategy execution and Job promotion (itcc (England)-ParsMBA (Iran)) 2014.
- ✓ How to make an oral presentation or research in English (Mashhad University of Medical Sciences) 2010.
- ✓ The nanotechnology utopia (Iran Nanotechnology Initiative Council-University of Tabriz) 2008.
- ✓ The commercialization of research findings (University of Tabriz) 2009.

### Workshops (As the teacher):

- ✓ Design of processes using the Taguchi approach (Islamic Azad University of Medical Sciences, Tehran) 2017.
- ✓ Petroleum Chemistry and Technology (Islamic Azad University of Medical Sciences, Tehran) 2018.

### Awards and Honors:

- ✓ The talented student (B.Sc, Faculty of Chemistry)
- ✓ Ranked 27th among more than 10000 participants in the national university entrance exam for M.Sc. degree
- ✓ Ranked 1st among M.Sc students of applied chemistry, University of Tabriz
- ✓ Ranked 1st in the university entrance exam for PhD degree
- ✓ Ranked 1st among Ph.D students of applied chemistry, University of Tabriz
- ✓ Free Education in government supported university (B.Sc, M.Sc and Ph.D)
- ✓ Selected by faculty of chemistry and chemical engineering University of Tabriz as excellent entrepreneur of chemical and polymer engineering
- ✓ Financial support awarded by Iran Nanotechnology Initiative Council (M.Sc and Ph.D)
- ✓ Executive member of international congress on nanoscience and nanotechnology -ICNN 2008 (as A Hall Manager)
- ✓ Member of editorial board for national journal of nanoscience
- ✓ Member of center for academically talented students of University of Tabriz
- ✓ Selected by Iran's National Elites Foundation For doing a research project instead of mandatory military service
- ✓ Having invitation letter for postdoctoral research from University of Geneva
- ✓ Earning the best grade (20 out of 20) for theses and all research courses:
  - Research practice (BSc, Supervisor: Prof. M. G. Hosseini)
  - Summer training (BSc, Supervisor: Prof. D. Salari)
  - Seminar (MSc, Supervisor: Prof. A. Mirmohseni)
  - Thesis (MSc and PhD, Supervisor: Prof. A. Mirmohseni)

### Membership to Scientific Associations:

Name of Institution/Association	Position Held	Country	Year
American Nano Society	Full member	USA	2011- Continuing
Iranian Association of Polymer and Chemical Engineers	Honorary member	Iran	2011-Continuing

### Language Proficiency:

Language	Degree of Proficiency											
	Writing				Reading				Speaking			
	Native	Good	Fair	Poor	Native	Good	Fair	Poor	Native	Good	Fair	Poor
Persian	*				*				*			
English		*				*				*		

### Research interests:

Nanomedicine//Quartz crystal nanobalance biosensor//Tissue engineering //Intrinsically conducting polymers//Engineering polymers//Drug delivery