

## *Curriculum Vitae*

### 1- Personal Information:

<b>First Name:</b>	Fatemeh	<b>Last Name:</b>	Niknam
<b>Gender:</b>	Female	<b>Nationality:</b>	Iranian
<b>Place of Birth:</b>	Fasa, Iran	<b>Date of Birth:</b>	March 21, 1990
<b>Marital Status :</b>	Single	<b>Country of Residence:</b>	Italy
<b>Email:</b>	f.fatemeh.niknam@gmail.com		
<b>Mobile No.:</b>	(+39) 3471481284		

### 2- Education & Qualifications:

Level	Majored in	Duration		Name of the University	City/ Country
		From	To		
M.Sc.	Inorganic Chemistry GPA:18.44/20.00 Thesis grade:19.92/20.00	Sep. 2014	Sep. 2016	Shiraz University	Shiraz, Iran
B.Sc.	Pure Chemistry GPA:16.00/20.00	Sep. 2008	Sep. 2012	Shiraz University	Shiraz, Iran

### 3- Honors:

Scientific Honors
Selected as valedictorian student and gained the first rank among 9 students admitted in the same year to the Master's Degree program at Shiraz university with the GPA of 18.44/20.00

#### 4- Work Experience:

Company/ Organization	Part time/ Full time/ Consultation	Duration		Position
		Since	To	
CNR-ICCOM, Pisa, Italy	Full time	Oct. 2019	Mar. 2020	Researcher
Shiraz University, Shiraz, Iran	Full time	Nov. 2016	Mar. 2019	Research Assistant
Shiraz University, Shiraz, Iran	Part time	Feb. 2015	May 2015	Teaching Assistant for Kinetic, Thermodynamic and Inorganic Reaction Mechanism
Shiraz University, Shiraz, Iran	Part time	Nov. 2015	Jan. 2015	Teaching Assistant for Organometallic Chemistry
Shiraz University, Shiraz, Iran	Part time	Jul. 2015	Sep. 2015	Teaching Assistant for Advanced Inorganic Chemistry
Shiraz University, Shiraz, Iran	Part time	Jan. 2015	Jun. 2015	Teaching Assistant for Inorganic chemistry Lab 1 and 2
Shiraz University, Shiraz, Iran	Part time	Oct. 2013	Mar. 2014	Teaching Assistant for General chemistry Lab 1, and 2
Iran Language Institute, Shiraz, Iran	Part time	Dec. 2012	Apr. 2013	English Teacher

#### 5- Research Experiences:

Project title	Company/ Institute	Duration	
		Since	To
Synthesis of a rare Pt(II)-Pt(IV) complex based on the reaction of Methyl iodide with Pt(II) complex and kinetic studies of the mentioned reaction by Uv-visible spectroscopy.	Shiraz University, Iran	Dec. 2018	Mar. 2019
Synthesis of some new di-nuclear organoplatinum(II) complexes	Shiraz University, Iran	May 2018	Oct. 2018
Investigation of the photophysical properties of a di-nuclear platinum (II) complex with two substituent ligands of DMSO obtained by activation of C-H and N-H bonds simultaneously in 2-2(pyridyl-benzimidazole) ligand by complex [Pt(Me) <sub>2</sub> (DMSO) <sub>2</sub> ], using fluorescence spectroscopy and theoretical studies by DFT.	Shiraz University, Iran	Nov. 2017	Apr. 2018

Synthesis, characterization, and investigating of the luminescence properties of Mono- and Di-Nuclear Platinum(II) Complexes Containing 2-(2-Pyridyl)-benzimidazole.	Shiraz University, Iran	Jun. 2017	Sep. 2017
The role of 2-(2-Pyridyl)-benzimidazole and Bis(diphenylphosphino)acetylene ligands in stabilizing a cyclic tetranuclear Platinum(II) Complex	Shiraz University, Iran	Nov. 2016	Mar. 2017
Activation of the C–I bond of primary alkyl halides by Pt(II) complexes containing a benzothiazole ligand.	Shiraz University, Iran	Sep. 2015	Apr. 2016
M.Sc. thesis entitled “Reaction of <i>Benzyl Bromide</i> with a <i>Dimethylplatinum(II) Complex Containing 2-(2-Pyridyl)benzothiazole: Kinetic and DFT studies</i> ” under supervision of Prof. Mehdi Rashidi (Grade: 19.92/20)	Shiraz University, Iran	Sep. 2014	Sep. 2016

#### 6. Programming Languages:

Program	Level
Matlab	Elementry
Fortran	Elementry

#### 7- Language Proficiency:

Language	Competence (Reading, Writing and Speaking)
Persian	Native Speaker
English	Advanced
Italian	Introductory

#### 8- Computer Skills and Software:

Program	Level
Microsoft Office (Word, Excel, PowerPoint)	Advanced
Linux Ubuntu	Advanced
Software related to chemistry (Gaussian, Chemissian, MestRenova, OriginPro 8, KaleidaGraph, FL WinLab, Mercury, Xcrysden)	Advanced

## 9- Publications:

Journal Papers
Chelating and Bridging Roles of 2-(2-Pyridyl)-benzimidazole and Bis(diphenylphosphino)acetylene in Stabilizing a Cyclic Tetranuclear Platinum(II) Complex. S. Masoud Nabavizadeh, Fatemeh Niroomand Hosseini, <b>Fatemeh Niknam</b> , Peyman, Hamidizadeh, Jafar Hoseini, Peter C Ford, and Mahdi M. Abu-Omar. <i>Inorg. Chem.</i> 2019, 58, 14608-14616
Synthesis, structural characterization and luminescence properties of mono-and dinuclear platinum(II) complexes containing 2-(2-pyridyl)-benzimidazole. <b>Fatemeh Niknam</b> , Peyman Hamidizadeh, S. Masoud Nabavizadeh, Fatemeh Niroomand, Hosseini, S Jafar Hoseini, Peter C. Ford, Mahdi M. Abu-Omar. <i>Inorganica Chimica Acta</i> 498 (2019) 1191332
Facile activation of the C–I bond of primary alkyl halides by Pt(II) complexes having a benzothiazole ligand. S. Masoud Nabavizadeh, Fatemeh Raoof, Fatemeh Pakpour, Laleh Shafiei Sarvestani, <b>Fatemeh Niknam</b> , Fatemeh Nirooman Hosseini, S. Jafar Hoseini. <i>Inorganica Chimica Acta</i> 506 (2020) 119535

## 10- Posters:

Scientific Poster
<b>Fatemeh Niknam</b> , Peyman Hamidizadeh, S.Masoud Nabavizadeh, Synthesis, Structural Characterization, and Luminescence Properties of Mono-, Di-, and Tetra-nuclear Platinum(II) Complexes Containing 2-(2-pyridyl)-benzimidazole. Poster presented at: Second International School on Nanoalloys (ISNA-2); 2020 Jan 20-27; Pisa

## 11- Certificates:

Title	Company/ Organization	Date
Second International School on Nanoalloys (ISNA-2)	CNR-ICCOM, Pisa, Italy	20-27 Jan 2020
European Projects Writing and Applications	SIGMA EXPERIENCE, Italy	27 Jan 2020

## 10- Research Interests:

Research Interests		
Application of organometallic compounds in Biochemistry and Medicine	Nanoscience and its application in Medicine and Industry	Simulation and Modelling of chemical materials
Solar Cells	Catalysts and Green Chemistry	Photophysics and theoretical studies of organometallic compounds

**11-Hobbies (Sport and Art):**

Hobbies			
Cycling	Mountaineering	Photography	Music

**12- References:**

Reference name	Position	Organization	Contact Address:
Prof. S.Masoud Nabavizadeh	Professor of Inorganic Chemistry	Shiraz University, Iran	<b>Email:</b> <i>nabavi@chem.susc.ac.ir</i>
Dr. Fatemeh Niroomand Hosseini	Associate Professor of Chemistry	Islamic Azad University of Shiraz, Iran	<b>Email:</b> <i>Fniroomand55@yahoo.com</i>



**FATEMEH NIKNAM**

Date, 29/05/2020