

Roshanak Kian

Postdoctoral Researcher

Research Institute for Applied Physics and Astronomy,
University of Tabriz, Tabriz, Iran.

E-mail: Roshanak_kian@tabrizu.ac.ir, Roshanak_kian@Yahoo.com

Tel: +98-41-33393031



Educational Background: (Last One First)

Certificate Degree	Field of Specialization	Name of Institution Attended
PhD	Physical chemistry	Azərbaycan Şahid Madani University, Tabriz - Iran
M.Sc.	Physical chemistry	Zanjan University, Zanjan - Iran
B.Sc.	Applied chemistry	K. N. Toosi University of Technology, Tehran - Iran

Title of M.Sc. Thesis:

“ Synthesis and Structural Characterization of Pyridinocalix(4)arene Silver Ion Complexes and some other Transition Metals”

Supervisors: Dr. A. A. Torabi

Academic Positions:

Title of Position	Field of Specialization	Date		Name of Institution
		From	To	
PhD	Physical Chemistry	2010	2015	Azərbaycan Şahid Madani- Faculty of Basic Science, Tabriz - Iran.

Publications:

Papers:

	Title of Paper	Place of Publication	Date
1-	Crystal structure of dichloro (pyridine-2-aldoxime-N,N)mercury(II): $\text{HgCl}_2(\text{NC}_5\text{H}_4\text{CHNOH})$	JOURNAL OF Z. Kristallogr	2005
2-	The specific and non-specific solvatochromic behavior of some diazo Sudan dyes in different solvents	Canadian Journal of Chemistry	2015
3-	Photo-physical behavior of some antitumor anthracycline in solvent media with different polarity	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2014
4-	Photo-physical properties of different types of vitamin A in solvent media	Journal of Molecular Structure	2015
5-	Solvatochromic Effects on the Photo-Physical Behavior of Two Triazole Compounds	Zeitschrift für Physikalische Chemie	2016
6-	Photo-Physical Response of Two Triazole Compounds Against Solvent Polarity	Zeitschrift für Physikalische Chemie	2016
7-	The interactional behaviors and photo-physical properties of two triarylmethane drugs in solvent media	Journal of Molecular liquids	2017
8-	Media and solute-solvent interaction effects on the photo-physical behavior of some drugs of 4 <i>H</i> -Pyran derivatives	Journal of Molecular liquids	2017
9-	Additive-induced aggregate changes of two structurally similar dyes in aqueous solutions: A comparative photophysical study	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2017
10-	Dissimilarity of two triazole drugs in different media	Submitted to Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2017

National Scientific Assemblies:

Title of Paper	Title and Place of Assembly	Date
1. Crystal structure of dichloro (pyridine-2-aldoxime-N,N)mercury(II): $\text{HgCl}_2(\text{NC}_5\text{H}_4\text{CHNOH})$	The 1st Conference of Application of chemistry and Biology in Industry, Payame Noor University Benis branch, Iran.	December 2008
2. Addition of silver ion to an $^{\text{Oct}}[4]\text{CH}_2$ 3py	The 8st Conference of Inorganic Chemistry, Azarbaijan Shahid Madani University, Tabriz, Iran.	September 2004

Research Interests:

Title of Project	Place of Work
1-Optical Properties of dyes and their applications	Physical Chemistry Group A. Shahid Madani University
2-Spectroscopy Study of dyes	Research institute of applied physics and astronomy-photonics
3-Aggrigation	Research institute of applied physics and astronomy-photonics
4-Solvent-Solute Interactions	Research institute of applied physics and astronomy-photonics

Certifications:

certificate	Institute/explanations	date
Passing advanced level of English course	Iranian Academic Center for English, Culture and Research (ACECR)	2008-2010

Skills:

Experimental Skills: Have Laboratory Training
 Familiar with Double Beam Spectrophotometer Shimadzu, 2450
 6200 JASCO Spectrophotometer
 IR Spectrometer
 HPLC
 Single Crystal x-ray Crystallography

Computer Skills:

Origin 5
 Chem Office
 Microsoft Office 2007 (Word, Excel, Power point)

Teaching Experience:

Lecturer (2004 – Present): Physical Chemistry and Physical Chemistry laboratory – General Chemistry and General Chemistry Laboratory– Quantum Chemistry; Payame Noor University, Tabriz – Iran.
 Duties in this class include curriculum development, teaching, exams and grading. I am the principle teacher for this class.
 Tutor of Chemistry (2004 – Present)

Award and Honor:

Rank 1st in PhD Azarbaijan Shahid Madani University Entrance Exam among 100 contestants (2010)
 Rank 1st in PhD Islamic Azad University Entrance Exam among 150 contestants (2010)
 Talent Student at Azarbaijan Shahid Madani Student (2010 – 2015)

Language Proficiency:

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

references	Degre	Email address	address
1-Dr Mohammad Sadegh Zakerhamidi	PhD	Zakerhamidi@tabrizu.ac.ir	Research Institute for Applied Physics and Astronomy, University of Tabriz, Tabriz-Iran
2-Dr Seyed Masoud Seyed Ahmadian	PhD	Seyedahmadian@azaruniv.edu	Faculty of Basic Science, Azarbaijan Shahid Madani University, Tabriz-Iran.