Curriculum Vitae

- **Personal History**

  - **Name (first name/surname, last name/forename):** Hadis Bashiri
  - **Gender**: femal
  - **Address (Office):** Department of Physical Chemistry, Faculty of Chemistry, University of Kashan, Kashan, Iran
  - **Phone (Office):** +98-361-5912336
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- **Educational History**

a. Education (Academic Preparation)

Major	Minor	Degree	University	City	Country	Year	
						From	To
Chemistry	Pure Chemistry	B. Sc.	Bu-Ali Sina University	Hamedan	Iran	9/1999	7/2003
Chemistry	Physical Chemistry	M. Sc.	Bu-Ali Sina University	Hamedan	Iran	9/2003	9/2005
Chemistry	Physical Chemistry	Ph. D	Bu-Ali Sina University	Hamedan	Iran	9/2005	10/2009
Chemistry	Catalyst	-----	Eindhoven University of technology	Eindhoven	Netherlands	3/2009	9/2009

b. Theses

Title of thesis	Degree	Supervisor(S)
A study of some heterogeneous catalytic reactions by application of UBI-QEP theory	M. Sc.	Prof. Saied Azizian
Theoretical study of adsorption at solid surface: new approaches to adsorption isotherm and kinetic equations and Simulation of NO and CO reaction on Rh(100) surface by kinetic Monte Carlo method	Ph. D	Prof. Saied Azizian

- **Teaching history**

School	Level	Type of lesson	Title of lesson
Bu-Ali Sina University **&** University of Kashan	Undergraduate	Laboratory	Physical Chemistry
Bu-Ali Sina University **&** University of Kashan	Undergraduate	Theory	General Chemistry I
University of Kashan	Graduate	Theory	Advanced Chemical Kinetic
University of Kashan	Graduate	Theory	Surface Chemistry
University of Kashan	Undergraduate	Theory	Physical Chemistry I, II
University of Kashan	Undergraduate	Theory	The Use of Literature Chemistry
University of Kashan	Undergraduate	Theory	Physical Chemistry of Chemical Engineering

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- **Membership in Professional Associations and societies (Professional Memberships)**

Name of Association	Site of association	Year	
		From	To
Iranian Chemical Society	www.ics-iran.org	2007-	
Iranian Nanotechnology Society	www.nanosociety-ir.com	2009-	

- **Publications:**

a. Articles

	Author (s)	Title	Journal name	IF	Vol. No.	Page No.	Year
1	Azizian, S.; Bashiri, H.; Iloukhani, H.	Statistical Rate Theory Approach to Kinetics of Competitive Adsorption at the Solid/ Solution Interface	*J. Phys. Chem. C*	4.520	*112*	10251	2008
2	Azizian, S.; Bashiri, H.	Adsorption Kinetics at the Solid/Solution Interface: Statistical Rate Theory at Initial Times of Adsorption and Close to Equilibrium	*Langmuir*	4.268	*24*	11669	2008
3	Azizian, S.; Bashiri, H.	Description of Desorption Kinetics at the Solid/Solution Interface Based on the Statistical Rate Theory	*Langmuir*	4.268	*24*	13013	2008
4	Azizian, S.; Bashiri, H., Volkov A. G.	Derivation of Azizian-Volkov (AV)-isotherm based on statistical thermodynamics	*Colloid and Surfaces A.*	2.130	335	28	2009
5	Azizian, S.; Haerifar, M.; Bashiri, H.	Adsorption of methyl violet onto granular activated carbon: Equilibrium, kinetics and modeling	*Chem. Eng. J.*	3.074	146	36	2009
6	Azizian, S.; Bashiri, H.	A New Isotherm for Multisite Occupancy Adsorption of Binary Gaseous Mixture	*Langmuir*	4.268	25	2309	2009
7	S. Azizian, A. Eftekhari_Bafrooei, H. Bashiri	Kinetics of Catalytic Oxidation of Benzoin to Benzil by Alumina Supported Active MnO_2	*Kinetics and Catalysis*	0.708	51	244	2010
8	Bashiri, H.	Desorption Kinetics at the Solid/Solution Interface: A Theoretical Description by Statistical Rate Theory for Close-to-Equilibrium Systems	*J. Phys. Chem. C*	4.520	115	5732	2011

b. Papers Presented in Conferences

Author (s)	Title of Article	Congress	Place	Type of Presentation	Year
Azizian, S.; Bashiri, H.	Investigation of the energetic of promoted CO oxidation by coadsorbed H_2O on the surface of transition metals	7th Iranian Physical Chemistry Seminar	Esfahan university of technology	Poster	8-10 March 2005
Bashiri, H.	A new theoretical description by statistical rate theory for close to equilibrium desorption systems	14th Iranian Physical Chemistry Seminar	University of Tehran Kish International Campus	Oral	25-28 February 2011
Bashiri, H.	Desorption Kinetics at the Solid/Solution Interface: A Theoretical Interpretation for Modified Pseudo First Order Kinetic Equation by Statistical Rate Theory	15th Iranian Chemistry Congress	Bu-Ali Sina University	Poster	4-6 September 2011
Bashiri, H.; Akhtarkavian M.	A theoretical study of Peripentacene formation from Pentacene by kinetic Monte Carlo simulation	15th Iranian Chemistry Congress	Bu-Ali Sina University	Poster	4-6 September 2011

- **Research Interests**
  1) Heterogeneous catalysis
  2) Adsorption at solid/fluid interface
  3) Kinetic Monte Carlo Simulation