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Designation		Associate Professor		
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
	Post Doctorate			
2017	PhD	Beijing University of Technology, Beijing, China	Applied Chemistry	
2014	MS/ M Phil	University of Baluchistan, Quetta	Physical Chemistry	
1999	Graduation	University of Baluchistan, Quetta	Physical Chemistry	
Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
01	Thermal and kinetic performance of water desorption for N ₂ adsorption in Li-LSX zeolite	Journal of Physical Chemistry C	International	2014
02	Thermodynamic parameters evaluation of α - and β -cages in Na ⁺ , Ba ²⁺ , Fe ³⁺ , Co ²⁺ , Ni ²⁺ and Cu ²⁺ exchanged zeolite a using quantum mechanical theory and fermi dirac statistics	Journal of the Chemical Society of Pakistan	National	2015
03	Size effects of extraframework monovalent cations on the thermal stability and nitrogen adsorption of LSX zeolite	Microporous and Mesoporous Material	International	2015
04	"Graft to" Synthesis and Ibuprofen-loading performance of pH-sensitive PMAA-Silica hybrid nanoparticles with	Journal of Pharmaceutical Sciences	International	2015

	controlled bimodal mesopores			
05	Influence of Ca ²⁺ or Na ⁺ extraframework cations on the thermal dehydration and related kinetic performance of LSX Zeolite	Journal of Physics and Chemistry of Solids	International	2016
06	Influence of alternative cations distribution in Ag _x Li _{96-x} -LSX on dehydration kinetics and its selective adsorption performance for N ₂ and O ₂	AIP Advances	International	2016
07	Dual temperature- and pH-responsive ibuprofen delivery from poly (N-isopropylacrylamide-co-acrylic acid) nanoparticles and their fractal features	Polymer Bulletin	International	2017
08	Fluorescence performance and fractal feature of NA-grafted bimodal mesopores silica by Fe ³⁺ modification.	Journal of Luminescence	International	2017
09	Dual (pH- and temperature-) stimuli responsive nanocarrier with bimodal mesoporous silica nanoparticles core and copolymer shell for controlled ibuprofen-releasing: Fractal feature and diffusion mechanism	Microporous and Mesoporous Material	International	2017
10	P(NIPAM-co-AA) @BMMs with mesoporous silica core and controlled copolymer shell and its fractal characteristics for dual pH- and temperature-responsive performance of ibuprofen release	International Journal of Polymeric Materials and Polymeric Biomaterials	International	2017
11	Facile synthesis and fractal feature of pH-responsive Poly(acrylic acid) hollow microspheres for ibuprofen delivery	International Journal of Polymeric Materials and Polymeric Biomaterials	International	2017
12	Location of silver clusters confined in FAU skeleton of dehydrated bi-metallic Ag _x M _{96-x} -LSX (M=Na ⁺ , Li ⁺) zeolite and resultant influence on N ₂ and O ₂ adsorption	Separation and Purification Technology	International	2018
13	Luminescence behaviors of bipyridine-proline grafted hybrid bimodal mesoporous silica and its catalytic	Microporous and Mesoporous Material	International	2018

	performance for asymmetric aldol reaction			
14	Regulating dual temperature- and pH- responsibility constructed from core-shell mesoporous hybrid silica (P@BMMs) via adjusting AA incorporation onto NIPAM	The International Journal of Polymeric Materials and Polymeric Biomaterials	International	2018
15	Stability of immobilization of Bipyridine-proline on Zn-Modified Bimodal Mesoporous Silicas and recyclable catalytic performance in asymmetric aldol reaction	Chemistry Select	International	2019
16	Controlled crystal phase and particle size of loaded-TiO ₂ using clinoptilolite as support via hydrothermal method for degradation of crystal violet dye in aqueous solution	Arabian Journal of Chemistry	International	Accepted, 2019
17	Fractal evolution of dual pH- and temperature-responsive P(NIPAM-co-AA)@BMMs with bimodal mesoporous silica core and coated-copolymer shell in drug delivery duration via SAXS characterization	Arabian Journal of Chemistry	International	Accepted, 2019
18	Kinetic evaluation of dehydration in M _x N _{a96-x} LSX (M= Li ⁺ , Ca ²⁺ and Ag ⁺) zeolites and resulting effects on selective adsorption of N ₂ and O ₂	Microporous and Mesoporous Material	International	Submitted
19	Nanosol precursor as structural promoter for clinoptilolite via hydrothermal synthesis and resulting effects on selective adsorption of CH ₄ and N ₂	Microporous and Mesoporous Material	International	Submitted
20	One-step hydrothermal synthesis of TiO ₂ -supported clinoptilolite: An integrated photocatalytic adsorbent for removal of crystal violet dye from aqueous media	Journal of Hazardous Materials	International	Submitted
Paper Presented				
S. No	Title of Paper	Name of Conference	National/ International	Date
01	Thermal and Kinetic Analysis of M-LSX (M=Na, Li, Ca, Mg, and Ag) zeolites employed in the N ₂ -O ₂ Adsorption	China International Conference on Functional Material & 9 th China National Conference on Functional	International	25 to 28-07 2016

			Materials and Applications, Chongqing, China		
02	Thermodynamic evaluation of dehydration in Na-LSX and Li- LSX zeolites		18 th International Zeolite Conference (IZC'16) Rio de Janeiro-Brazil	International	19 to 24- 06- 2016
Books Authored/ Edited					
S. No	Name of book			Publisher	ISBN
Work Experience					
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held	
01	2019	Present	Balochistan University of Information Technology, Engineering and Management Sciences	Associate Professor	
02	2018	2019	Sardar Bahadur Khan Women's University Quetta	Assistant Professor	
03	2009	2018	Government of Baluchistan, Colleges Higher and Technical Education Department, Quetta	Assistant Professor	
04	2000	2009	Government of Baluchistan, Colleges Higher and Technical Education Department, Quetta	Lecturer	
Area of specialization			Physical Chemistry		
Expertise			Surface chemistry, Adsorption Science/Interface Chemistry		
HEC Approved supervisor			In process		
If Yes, provide HEC URL			<i>e.g.</i> http://sc.hec.gov.pk/aphds/		
Research grants/ Projects					
Additional Information					
<u>Honors and Distinctions</u>					
2017	Outstanding Graduate Award in Ph. D from Beijing University of Technology (2017).				
2017	Chinese Government Outstanding International Student Scholarship (2017).				
2017	First Prize of scientific and technological innovation				
2016	First Prize of scientific and technological innovation				
2013	Chinese Government Scholarship (CSC), for Ph. D (2013).				
2011	M.S leading to Ph. D scholarship under the title "Indigenous 5000 PhD Fellowship Program Batch-VII for Ph. D (2011).				