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Department		Chemistry		
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		Google Scholar Profile ID: https://scholar.google.com/citations?user=-exVuT0AAAAJ&hl=en		
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University		Field of study
	Post Doctorate			
2017	PhD	Beijing University of Technology		Applied Chemistry
2014	MS/ Mphil	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
1	Aminated-diamond integrated poly(methyl methacrylate) fibers reinforced epoxy composites with enhanced structural, thermal, and mechanical properties	Polymer Bulletin	International	2022
2	Chemical and biological food safety threats associated with fresh juices consumed in Capital territory Islamabad Pakistan	Progress in Nutrition	International	23 (2021) 1-10
3	Kinetic evaluation of dehydration in $M_xN_{a96-x}LSX$ ($M = Li^+, Ca^{2+}$ and Ag^+) zeolites and	Microporous and Mesoporous Material	International	301 (2020) 110233–

	resulting effects on selective adsorption of N ₂ and O ₂			110241
4	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	294 (2020) 109913
5	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	13 (2020) 4147–4161
6	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	13 (2020) 4092–4101
7	Stability of immobilization of Bipyridine-proline on Zn-Modified Bimodal Mesoporous Silicas and recyclable catalytic performance in asymmetric aldol reaction	Chemistry Select	International	4 (2019) 3105–3112
8	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	68 (2018) 1–9
9	Luminescence behaviors of bipyridine-proline grafted hybrid bimodal mesoporous silica and its catalytic performance for asymmetric aldol reaction	Microporous and Mesoporous Material	International	260 (2018) 245–252
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	(2018) 131–142
11	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	Separation and Purification Technology	International	197 (2018) 418–431

	O ₂ adsorption.			
12	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) 1–9
13	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	254 (2017) 77–85
14	Fluorescence performance and fractal feature of NA-grafted bimodal mesopores silica by Fe ³⁺ modification	Journal of Luminescence.	International	187 (2017) 53–61
15	Dual temperature- and pH-responsive ibuprofen delivery from poly(N-isopropylacrylamide-co-acrylic acid) nanoparticles and their fractal features	Polymer Bulletin	International	74 (2017) 3619–3638
16	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	6 (2016) 125115–14
17	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	99 (2016) 1–10
18	“Graft to” Synthesis and Ibuprofen-loading performance of pH-sensitive PMAA–Silica hybrid nanoparticles with controlled bimodal mesopores, Journal of Pharmaceutical Sciences	Journal of Pharmaceutical Sciences	International	104 (2015) 4299–4306
19	Size effects of extraframework monovalent cations on the thermal stability and nitrogen adsorption of LSX zeolite	Microporous and Mesoporous Material.	International	202 (2015) 44–49
20	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	37 (2015) 629–642

21	Thermal and kinetic performance of water desorption for N ₂ adsorption in Li-LSX zeolite	Journal of Physical Chemistry C	International	118 (2014) 23761–23767
Paper Presented				
S. No	Title of Paper	Name of Conference	National/ International	Date
1	Adsorption of O ₂ and N ₂ on Ag _x Li _y Na _{96-x-y} -LSX, and Li _y Ag _x Na _{96-x-y} -LSX zeolites: cation position, structure, and kinetics	20 th International Zeolite Conference (IZC 2022)	International	3 rd to 8 th July, 2022
2	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 Materials and Applications	International	25 th to 28 th July, 2016
3	Thermodynamic evaluation of dehydration in Na-LSX and Li-LSX zeolites	18 th International Zeolite Conference (IZC 16)	International	19 th to 24 th June, 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
1	2021	Present	Balochistan University of Information Technology, Engineering and Management Sciences	Professor
2	2019	2021	Balochistan University of Information Technology, Engineering and Management Sciences	Associate Professor
3	2018	2019	Sardar Bahadur Khan Women's University Quetta	Assistant Professor
4	2009	2018	Government of Baluchistan, Colleges Higher and Technical Education Department, Quetta	Assistant Professor
5	2000	2009	Government of Baluchistan, Colleges Higher and Technical Education Department, Quetta	Lecturer
Area of specialization			Physical and Applied Chemistry	
Research Interest			Surface chemistry, Adsorption Science/Interface Chemistry	
Future Research Plans				
HEC Approved supervisor			Yes (111729)	
If Yes, provide HEC URL			https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-	

	EPORTAL.aspx
Research grants/ Projects	Principle Investigator Comparative removal of some selected dyes under dark and light assisted irradiation by recyclable porous Fe ⁰ and Ag – TiO ₂ -OTFFAU, CP, and H-ZSM zeolite composites”. NRPU-HEC (2022-2024) PKR. 9.9 Million
Additional Information	
<i>Honors and Distinctions</i>	
<p>2017 Outstanding Graduate Award in Ph. D from Beijing University of Technology</p> <p>2017 Chinese Government Outstanding International Student Scholarship</p> <p>2017 First Prize of scientific and technological innovation</p> <p>2016 First Prize of scientific and technological innovation</p> <p>2013 Chinese Government Scholarship (CSC), for Ph. D</p> <p>2011 M.S leading to Ph. D scholarship under the title “Indigenous 5000 PhD Fellowship Program Batch-VII for Ph. D</p>	