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<b>Designation</b>		Assistant Professor		
<b>Department</b>		Chemical Engineering		
<b>Faculty</b>		Engineering & Architecture		
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<b>Qualification</b>				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2019	PhD	Prince of Songkla University (PSU), Thailand	Chemical Engineering	
2015	MS	University of Moratuwa, Sri Lanka	Sustainable Process Development	
2004	Graduation	University of the Punjab	Chemical Engineering	
<b>Publications in HEC Recognized journals</b>				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	<i>Qualitative Analysis of Plastic Debris on Beaches of Brunei Darussalam</i>	<i>Pollution</i>	<i>International</i>	<i>Jun 2020</i>
2	<i>Fabrication of Lab Scale Greywater Filtration Plant for Water Management in Quetta, Pakistan</i>	<i>Journal of Applied and Emerging Sciences</i>	<i>National</i>	<i>Jun 2020</i>
3	<i>Physical Assessment of Marine Debris Along the Coast of Brunei Darussalam</i>	<i>Journal of Applied and Emerging Sciences</i>	<i>National</i>	<i>Dec 2019</i>
4	<i>Removal of Zinc (II) from municipal wastewater using chemically modified activated carbon developed from Rice husk and Kikar charcoal</i>	<i>Journal of Applied and Emerging Sciences</i>	<i>National</i>	<i>Jul 2019</i>
5	<i>Desalination of Seawater Using Lab Scale Solar Plant</i>	<i>Journal of Applied and Emerging Sciences</i>	<i>National</i>	<i>Jul 2019</i>
6	<i>Comparative Study of Coal and Biomass Co-Combustion with Coal Burning Separately Through Emissions Analysis</i>	<i>Pakistan Journal of Analytical &amp; Environmental Chemistry</i>	<i>National</i>	<i>Jun 2016</i>

7	<i>Energy consumption and optimization of oven drying of chlorella vulgris using response surface methodology</i>	<i>Balochistan journal of Engineering and Applied sciences</i>	<i>National</i>	<i>October 2020</i>
8	<i>Direct Equivalent Sress Investigation Model of STS316L Steel by small punch Creep testing</i>	<i>Balochistan journal of Engineering and Applied sciences</i>	<i>National</i>	<i>October 2020</i>
9	<i>Syngas Production from Rubber wood Biomass in Downdraft Gasifier Combined with Wet Scrubbing: Investigation of Tar and Solid Residue</i>	<i>Journal of Sains Malaysiana</i>	<i>International</i>	<i>May 2020</i>
10	<i>Study on Upgradation in Carburizing Technologies for steel strength</i>	<i>Journal of Applied and Emerging Sciences</i>	<i>National</i>	<i>Jun 2020</i>
11	<i>Evaluation of hydrothermally carbonized alternative biomass (Leipronia Articulata) as a source of alternative energy and adsorbent</i>	<i>Journal of Pakistan Institute of Chemical Engineers</i>	<i>National</i>	<i>Jun 2019</i>
12	<i>Bioenergy production from waste mango seed shell by thermo-chemical conversion and its importance for mango fruit processing industry</i>	<i>Journal of Applied and Emerging Sciences</i>	<i>National</i>	<i>Jun 2020</i>
13	<i>Adsorption of hexavalent chromium onto alkali modified biochar derived from lepironia articulata: Kinetic, equilibrium and thermodynamic study</i>	<i>Water Environment Research</i>	<i>International</i>	<i>May 2019</i>
14	<i>Production of Biodiesel through Catalytic Transesterification of Jatropha Oil</i>	<i>Journal of Applied and Emerging Sciences</i>	<i>National</i>	<i>July 2016</i>
15	<i>Prospective sorption evaluation of hydrothermally carbonized lepironia articulata (Grey sedge) for the removal of Ni (II) from aqueous solution</i>	<i>Chiangmai Journal Of Science</i>	<i>International</i>	<i>August 2018</i>
16	<i>Enhancement of adsorption efficiency of heavy metal Cu(II) and Zn(II) onto cationic surfactant modified bentonite</i>	<i>Journal of Environmental Chemical Engineering</i>	<i>International</i>	<i>April 2018</i>
17	<i>Potential of BCDMACl modified bentonite in simultaneous adsorption of heavy metal Ni (II) and humic acid</i>	<i>Journal of Environmental Chemical Engineering</i>	<i>International</i>	<i>August 2018</i>

18	<i>A Mathematical model for pyrolysis of biomass</i>	IEEE Mercon	International	April 2015
19				
<b>Paper Presented</b>				
S. No	Title of Paper	Name of Conference	National/ International	Date
1	<i>Optimization of Hybrid Adsorption-Coagulation process of Palm oil mill wastewater treatment using alternative coagulant</i>	<i>International symposium on engineering and advancement' 2015 proceedings and presented at SAIM, Malabe , Sri Lanka</i>	<i>International</i>	<i>April 2015</i>
2	<i>Performance analysis of bench scale updraft gasifier for mango pit shell biomass</i>	<i>International symposium on engineering and advancement' 2015 proceedings and presented at SAIM, Malabe , Sri Lanka</i>	<i>International</i>	<i>April 2015</i>
3	<i>Desalination of Sea Water Using Lab Scale Solar Plant</i>	<i>The 6th Brunei International Conference on Engineering &amp; Technology (BICET 2016), Brunei Darussalam</i>	<i>International</i>	<i>14 - 16 Nov 2016</i>
4	<i>Perspective of Lepironia Articulata as an adsorbent for the removal of Zinc from aqueous solution</i>	<i>The first Materials Research Society of Thailand international conference' 2017</i>	<i>International</i>	<i>October 2017</i>
5	<i>Municipal Wastewater Treatment Using Rice Husk and Kikar Charcoal as Activated Carbon</i>	<i>International Research Symposium on Engineering Advancements,</i>	<i>International</i>	<i>Jun 4, 2016</i>

			<i>SAITM Malabe, Sri Lanka</i>	
6	<i>EFFECT OF COAGULANT EXTRACTED FROM ALMOND NUTSHELL (Prunus Amygdalus) ON SYNTHETIC TURBID WATER</i>	<i>RSEA 2016 Colombo</i>	<i>International</i>	<i>June 2016</i>
<b>Books Authored/ Edited</b>				
S. No	Name of book		Publisher	ISBN
1	N/A			
<b>Work Experience</b>				
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	2020	To date	Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS) Quetta, Pakistan	Assistant Professor
2	2019	2020	Mir Chakar Khan Rind University Sibi(MCKRU)	Registrar
1	2010	2019	Balochistan University of Information Technology, Engineering and Management Sciences (BUIITEMS) Quetta, Pakistan	Assistant Professor
2	2009	2010	Petro Rabigh, Abdul Hadi Al-Qahtani	Technical Service Engineer
3	2007	2009	BUIITEMS	Lecturer
4	2004	2007	J & P COATS	Shift Executive
<b>Area of specialization</b>			Water treatment, Nanomaterial, Fluid dynamics, Environmental Engineering, Drought assessment using remote sensing and GIS, Biomass and Gasification, Alternative Energy, Heavy Metal study	
<b>Research Interest</b>			Manufacturing of Nanomaterial for various applications, Water treatment, Environmental Engineering, Heat Transfer, Biomass gasification and combustion, Adsorption, Alternative Energy.	
<b>Future Research Plans</b>				
<b>HEC Approved supervisor</b>			In Process	
<b>If Yes, provide HEC URL</b>			N/A	
<b>Research grants/ Projects</b>			Research through by ORIC BUIITEMS 2016.	
<b>Additional Information</b>				
<ul style="list-style-type: none"> <li>• <b>Achievements:</b></li> <li>• Thailand education Hub scholarship (Fully funded) for ASEA countries for the degree of Ph.D., in the year 2015.</li> <li>• Symposium of Research paper writing and presentation skills, University of Moratuwa '2014.</li> <li>• Sri Lankan presidential scholarship for M.Sc. in university of Moratuwa year 2014-15</li> <li>• Workshop on Research methodologies "University of Moratuwa, Sri Lanka.</li> <li>• Participated " World conference on youth 2014, Sri Lanka"</li> <li>• Certified Master Trainer by Higher Education Commission of Pakistan for newly Inducted faculty members /Teaching staff and trained more than 100 teachers at BUIITEMS.</li> <li>• Trainer of "Active Citizen" in collaboration of British Council and BUIITEMS.</li> <li>• Trained students on TURN IT IN and submitted their research papers via turn it in.</li> </ul>				

- Jury member of Society of Petroleum Engineers Quetta Chapter for different competitions among the students in co-curricular activities.
- Class representative throughout academic session
- Best sportsman award 2000, 2003
- Worked in COATS Malaysia on different projects and got certified in cf2000e and Trained on new technologies of textile dyeing.
- Best award by Pepsi cola International on achieving best sensory results.

#### **Memberships**

- Professional life time member of Pakistan Engineering Council of Pakistan.
- Professional life time Member of 'Institute of Chemical Engineers of Pakistan.
- Executive member of Society of Chemical Engineers of Pakistan.
- Member of CHES University of Moratuwa, Sri Lanka.
- Member of Society of International Students, PSU, Thailand.

#### **Reviewer for International Journals**

1. Journal of "Environmental progress and sustainable energy, Wiley library
2. Journal of Physical science, University Sains Malaysia
3. Journal of Water Environment Research, Wiley library
4. Environmental Engineering Research Korea (EER) by the Korean Society of Environmental Engineers