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<b>Department</b>		Chemistry		
<b>Research Profile</b>		ORCID ID: <a href="https://orcid.org/0009-0003-6354-4312">https://orcid.org/0009-0003-6354-4312</a>		
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<b>Qualification</b>				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
	PhD	University Malaya	Inorganic/ Coordination Chemistry	
	MS	University Technology Malaysia	Inorganic/ Coordination Chemistry	
	MSc	University of Balochistan	Inorganic Chemistry	
<b>Publications in HEC Recognized journals</b>				
S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Effectiveness of Bi-metallic LSX zeolites in O <sub>2</sub> Purification: Examining the impact of extra-framework cations.	Journal of Physics and Chemistry of Solids	International <b>IF 4</b>	2024
2	Analysis of metal concentration, performance and noise emissions of the CI engine.	Natural and Applied Sciences International Journal	National <b>HEC Y category</b>	2024
3	Solid state dual emissive binuclear Cobalt (II) azomethine complexes: Synthesis, characterization, thermal stabilities and photoluminescence studies.	Journal of Molecular Structure	International <b>IF 3.8</b>	2023

4	A Review in Current Trends of Antibacterial Schiff Base Complexes: Lower and Higher Transition Metal Complexes	Malaysian Journal of Microbiology	International <b>IF 0.8</b>	2023
5	Study the thin polymer dispersed liquid crystal (PDLC) film technology for smart electronic devices.	Journal of Electronic Materials	International <b>IF 2.2</b>	2023
6	Antibacterial Properties of binuclear Zn(II) azomethine complexes derived from diaminodiphenylsulphide bridged spacer.	Scientific inquiry and Review	National <b>HEC Y category</b>	2022
7	Recent Trends in Luminescent Zn(II) and Ir(III) Complexes bearing variety of Schiff base ligands	Malaysian Journal of Chemistry	International <b>IF 0.6</b>	2022
8	Physiological Impacts of Motorcycling on its Young Riders in relation to their Body Mass Index.	Journal of applied and Emerging Sciences	National <b>HEC Y category</b>	2022
9	Dual emissive dinuclear Iridium(III) azomethine complexes: Synthesis, luminescence, thermal stability and antibacterial studies,	Journal of Luminescence	International <b>IF 3.9</b>	2021
10	Iron (III) and zinc (II) monodentate Schiff base metal complexes: Synthesis, characterisation and biological activities,	Journal of Molecular Structure	International <b>IF 3.8</b>	2021
11	Iron (III) and Zinc (II) Metal Alkaloid Complexes : Synthesis , Characterization and Biological Activities	Malaysian Journal of Chemistry	International <b>IF 0.6</b>	2021
12	Synthesis, structures, luminescence and thermal stability of Visible/NIR emitting binuclear azomethine-Zn(II) complexes	Journal of Luminescence	International <b>IF 3.9</b>	2021
13	Synthesis, Characterization and Luminescence Studies of Metal-Diimine Complexes,	Modern Chemistry Applications	International	2018
<b>Paper Presented</b>				
S. No	Title of Paper	Name of Conference	National/ International	Date
	Synthesis, Characterization and Luminescence Studies of Metal-Diimine Complexes,	Regional Annual Fundamental Science Symposium	International	2014
<b>Books Authored/ Edited</b>				
S. No	Name of book		Publisher	ISBN

<b>Work Experience</b>				
S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1	2007	2009	Balochistan University of Information Technology Engineering & Management Sciences (BUIITEMS)	Adhoc Lecturer
2	2009	2015	Balochistan University of Information Technology Engineering & Management Sciences (BUIITEMS)	Lecturer
3	2016	Till date	Balochistan University of Information Technology Engineering & Management Sciences (BUIITEMS)	Assistant Professor
<b>Area of specialization</b>			Inorganic/Coordination Chemistry	
<b>Research Interest</b>			<p>[1] Synthesis and Characterization of Azomethine Schiff bases. (Organic synthesis).</p> <p>[2] Synthesis and Characterization of Transition Metals-Azomethine complexes.</p> <p>[3] Synthesis and Characterization of Lanthanide Metals-Azomethine complexes.</p> <p>[4] Solid and liquid state luminescence studies.</p> <p>[5] Quantum yield determination.</p> <p>[6] Synthesis and Applications of nanomaterials.</p> <p>[7] Antioxidant activities, Antibacterial studies and Degradation studies.</p>	
<b>HEC Approved supervisor</b>			In Process	
<b>If Yes, provide HEC URL</b>				
<b>Research grants/ Projects</b>			-	
<b>Additional Information</b>				
<ol style="list-style-type: none"> <li>External Examiner for MPhil students at SBK</li> <li>Expertise in <ul style="list-style-type: none"> <li>[a] Chem Draw</li> <li>[b] Origin</li> <li>[c] PXrd software</li> <li>[d] NMR software</li> <li>[e] FTIR software (KBr palette and ATR)</li> <li>[f] Mendeley, Endnote</li> <li>[g] Interpretation of PXRD, <sup>1</sup>H NMR, <sup>13</sup>C NMR, FTIR, Uv-Vis, EDAX spectra, as well as elemental analysis and magnetic susceptibility of coordination compounds.</li> </ul> </li> <li>Editorial team member of International Journal of Pharmacy and Integrated Health Sciences</li> </ol>				

### **Honors and Distinctions**

**2016** Best Faculty Award (2016 Convocation) BUITEMS.

**2015** MS CGPA (4) (Award and Medal as Best Postgraduate Student) University  
Technology Malaysia

**2007** Distinction, Third Position in MSc, Science (Inorganic Chemistry)  
University of Balochistan.