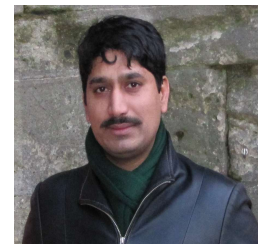


Dr. Shahzad Sharif S/O Muhammad Sharif
Associate Professor (TTS)
HEC Approved PhD Supervisor

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Qualification

2013 PhD (Inorganic/Analytical and Crystallography)
GC University, Lahore/Chemical Crystallography Laboratory, University of Oxford.
<http://www.xtl.ox.ac.uk/category/people/visitors.1.html>

Experience

- **Senior technical officer: (March-2002 to March-2005)**
Alpha Chemicals Pvt. Ltd. (Basic Pharmaceutical, Raw Material Manufacturing Organization)
- **Senior R&D / QA, QC Officer: (April-2005 to February-2008)**
PHARMAGEN Ltd. (Basic Pharmaceutical, Raw Material Manufacturing Organization)
- **Research Officer(BS-18) (February-2008 to July-2011)**
Materials Chemistry Laboratory, Department of Chemistry, Govt. College University Lahore.
- **Academic Visitor(July-2011 to December-2011)**
Chemical Crystallography Laboratory (Chemistry Research Laboratory, CRL), University of Oxford, U.K.
<http://www.xtl.ox.ac.uk/category/people/visitors.1.html>
- **Visiting Faculty (March -2012 to May-2014)**
Department of Chemistry, Govt. College University Lahore.
- **Assistant Professor (April -2014 to April -2015)**
Department of Chemistry, Lahore College for Women University Jail Road, Lahore.
- **Visiting Faculty/Research fellow (April-2015 to May-2016)**
Department of Chemistry, Lahore College for Women University, Jail Road Lahore.
- **Research Associate (BS-19) (June-2016 to Feb-2018)**
Department of Chemistry, Govt. College University Lahore.
- **Assistant Professor (TTS) (Feb-2018 to Till date)**
Department of Chemistry, Govt. College University Lahore.
<http://www.gcu.edu.pk/Chem.htm>

Research Projects

Sr. #	Title of Project	Initiation date	Completion date	Amount(s) Million	Funding source(s)
1	Syntheses of Metal organic frameworks and their applications in energy storage materials	07/03/2023	29/07/2024	0.299	ORIC GCU as PI
2	Metal Organic frameworks (MOF) and their composites for rechargeable battery applications	July, 2022	June, 2025	9.47	HEC-NRPU as PI
3	Synthesis and Characterization of metal complexes and metallogels for photoluminescence applications	16-04-2019	22-02-2021	0.30	ORIC GCU as PI
4	Strengthening of Material Chemistry Laboratory by Installation of Fluorescence Spectrophotometer	01-07-2017	31-07-2019	2.94(HEC) & 0.33(GCU) TOTAL =3.27	HEC As PI

5	Construction, characterization and evaluation of potential applications of Novel coordination polymers derived from carboxylate ligands	20/04/2015	30-11-2017	0.4992	HEC Start- up research grant As PI
6	Development and Validation of LC methods for Cardiovascular Drugs in ternary Combinations	06-05-2011	25-10-2012	0.50	HEC Start- up research grant As Co-PI
7	Grant for Maintenance of Scientific Equipment (Elemental Analyzer)	2015		0.75	HEC “Initiated & submitted final report”
8	Grant for Maintenance of Scientific Equipment (Single Crystal Diffractometer)	2015		0.95	HEC “Initiated & submitted final report”

Memberships

- Royal Society of Chemistry AMRSC (2011-2018)
- Pakistan Association of Crystallography (Since 2012)
- International Union of Crystallography (Since 2012)
- British Crystallographic Association (2011-13)
- Oxford University Scientific Society (Since 2011)

Research Interests

- Synthesis of Lanthanide/Transition Metal Organic Frameworks (MOFs) for electrochemical applications in batteries/supercapacitors and luminescence materials as sensors for detection of chemicals and explosives.
- Single crystal data collection, solution, refinement and validation by using different software and establishing robust links between crystal structure and physical properties of crystalline materials by crystal engineering.
- Development and validation of sensitive and rapid analytical methods for Pharmaceutical for-emulsions by using HPLC and their evaluation in biological fluids.

Selected Manuscript Reviewed

Impact factor

- | | |
|--------------------------------------|------|
| • J of energy storage | 9.4 |
| • New Journal of Chemistry | 3.5 |
| • Sensors and Actuators B: Chemical | 8.4 |
| • Journal of Solid State Chemistry | 3.4 |
| • Journal of Power Sources | 8.4 |
| • Journal of Molecular Structure | 4.4 |
| • Journal of Alloys and Compounds | 5.8 |
| • Synthetic Metals | 4.0 |
| • Materials Letters | 2.7 |
| • ACS Applied Materials & Interfaces | 8.5 |
| • Materials Horizons | 10.7 |

Research Publications		
Total Publications # 66 +43 <i>Acta e</i>		Impact factor published papers # 313.6)
Citations: 1338		h-index; 19; i10-index; 49
No.	Authors, Publication Year, Title, Name of Journal, Volume, Page	*Impact Factor
1.	M. Shahbaz, S. Sharif, E. T. Razia, T. T R. Afzal, Z. Ghaznavi, Z. Iqbal, K. Ali, W. Yahya, A. Imtiaz, M. Hamid (2025) Transition Metal-Based Metal-Organic Frameworks (Cr, Mn, Fe, Co, Ni, Cu, Zn) for Advanced Energy Storage Devices: A Comprehensive Review, <i>Coordination Chemistry Reviews</i> (Under Review)	23.5
2.	M. Shahbaz, M. Riasat, G. Ullah, M. W. Mushtaq, M. Saeed, S. Shahzad, A. Shahzad, Z. Mustafa, O. Şahin, S. Sharif* (2025) Tuning the electrochemical performance of copper-based 2D rectangular layered Metal Organic Framework by incorporating reduced-graphene oxide and polyaniline, <i>Energy advances</i> (Under Review)	4.3
3.	M. Saeed, E. T. Razia, K. Nasir, L. Ahamd, T. T. R. Afzal, A. Imtiaz, A. Shahzad, S. Shahzad, S. Sharif* (2025) Review on Lead-Acid Batteries: Overview <i>Small</i> (Under Review)	12.5
4.	M. Shahbaz, S. Sharif*, G. Ullah, M. W. Mushtaq, M. Saeed, A. Bentalib, O. Şahin, S. Hussain, M. Riasat, A. B. Jumah (2025) Tuning the electrochemical performance of copper-based 2D rectangular layered Metal Organic Framework by incorporating reduced-graphene oxide and polyaniline <i>Journal of Alloys and Compounds</i> (Under Review)	5.8
5.	S. Sahrif*, M. Shahbaz, M. Saeed, A. Shahzad, S. Shahzad, O. Sahin, S. Muhammad, H. A., Abha (2025) US patent US Patent 2025/0232925A1	US patent
6.	M. Shahbaz, S. Sharif*, T. T. R. Afzal, S. Shahzad, A. Shahzad, O. Şahin, A. Bentalib ^c , A. B. Jumah, S. Hussain, N. A. Khan (2025) Construction of rectangular microporous Cerium 3D metal organic framework for high performance energy storage devices, <i>Journal of Solid State Chemistry</i> , 348, 125394, 1-9.	3.2
7.	M. Saeed, J. H. Shah, S. Sharif*, M. Shahbaz, G. Ullah, A. Shahzad, Z. S. Şahin, A. Bentalib, S. Hussain, A. B. Jumah (2025) Nitrogen and Sulfur-rich Cobalt complex for hybrid supercapacitor applications, <i>Inorganic Chemistry Communications</i> , 182, 115487, 1-13.	4.4
8.	J. Ahmad, T. T. R. Afzal, R. Alotaibi, M. Saeed, S. M. Ali, N. ur Rehman, S. Sharif, M. Imran (2025) Investigation of Integration Effect of Composite of Tin Oxide and Tin Sulphide Nanoparticles for Applications in Hybrid Supercapacitor Devices, <i>Journal of Electronic Materials</i> , DOI: 10.1007/s11664-025-12217-7	2.5
9.	M. Saeed, S. Sharif*, E. T. Razia, A. Shahzad, M. A. Raza, B. Arshad, Q. Afaq, M. W. Mumtaz, O. Şahin, P. John (2025) Synergistic interplay of 1D bimetal Co-Ni-MOF@rGO for hybrid energy storage device, <i>Diamond & Related Material</i> , 157, 112496, 1-15.	4.6
10.	S. Sharif*, M. Shahbaz, T. Tur R. Afzal, S. Shahzad, , M. Saeed, A. Shahzad, S. Shahzad, M. N. Asghar, S. Hussain, A. Bentalib, A. B. Jummah (2025) Nitrogen-rich Gd-PDA-MOF derived from pyridine-3,5-dicarboxylic acid for high performance energy storage devices, <i>Materials Chemistry and Physics</i> , 345, 131279, 1-10.	4.6
11.	M. Saeed, S. Sharif*, J. H. Shah, T. T. R. Afzal, M. Shahbaz, A. M. Shehzad, A. Shahzad, O. Şahin, S. Shahzad (2025) Synergetic Interplay of Nitrogen and Sulfur-rich Copper bi-linker 2D cubic layered MOF Composite with MXene for Improved hybrid Supercapacitor Application, <i>RSC Advances</i> , 15, 17130-17141.	3.9
12.	N. Zahra, M. Shahbaz, M. Saleem, M. Z. Khan, M. Irshad, S. Sharif, J. H. Koh, M. A. Marwat, G. Lee, M. Irfan, A. Ghaffar (2025) Innovative Multiphase Composites of Transition Metal Oxides for Long-Term Stability and High Energy Density in Storage Devices, <i>Materials Today Sustainability</i> , 30, 101099, 1-15.	7.1

13.	M. Shahbaz, S. Sharif* , M. W. Mushtaq, Z. Ghaznazvi ^a , Z. Iqbal, M. A. Khurshid, O. Şahin, S. Shahzad (2025) Improving electrochemical performance of nitrogen containing Cu-PTA-MOF with polyaniline and polypyrrole for hybrid supercapacitor, <i>Journal of Materials Chemistry A</i> :13, 6524–6538	10.7
14.	M. Shahbaz, S. Sharif* , T. T. R. Afzal, Z. Iqbal, Z. Ghaznazvi, M. Saeed, A. Shahzad, A. Bentalib, A. B. Jumah, S. Hussain (2025) Tweaking electrochemical potential of nitrogen-rich Ce-PTA-MOF by reduced graphene oxide for hybrid supercapacitor, <i>RSC Advances</i> , 15, 18142-18157	4.6
15.	M Shahbaz, S. Sharif* , F. P. Malik, J. H. Shah, O. Şahin, B. Riaz, B. Dar, A. A. Alothman, H. Ahmad (2025) Crystal structures and fluorimetric study of a dual nature Schiff base chemosensor for detection of Cu ²⁺ and Ce ⁴⁺ ions in aqueous media, <i>Inorganic Chemistry Communication</i> , 172, 113666, 1-10	4.4
16.	J. H. Shah, M. Shahbaz, S. Sharif* , G. Ullah, K. S. Munawar, O. Şahin, K. Yusuf, H. Ahmad (2025) Redox active cobalt based bi-linker metal organic frameworks derived from 5-sulfoisophthalic acid and 4,4-bipyridine for supercapacitor, <i>Materials Research Bulletin</i> , 181, 113123, 1-12	5.7
17.	J. H. Shah, S. Sharif* , M. Shahbaz, M. Saeed, A. Shahzad, S. Farid, S. Shahzad, S. Muhammad (2024) Electrochemical investigation of copper 1D conductive polymer for hybrid supercapacitor applications, <i>Journal of Energy Storage</i> 102, 114058, 1-10	9.4
18.	S. Zulfiqar, R. Rafi, M. S. Nawaz, T. Iqbal, M. S. Bashir, S. Sharif, N. Akhter, M. Yar (2024) Antibiofilm carbon-wrapped copper-nickel nanoparticles loaded amorphous hydrogel accelerated healing of <i>Pseudomonas aeruginosa</i> infected wounds in rat model, <i>Materials today communications</i> , 41, 111002, 1-10	3.7
19.	M. W. Mushtaq, M. Shahbaz, R. Naeem, S. Bashir, S. Sharif* , N. A. Dogar (2024) Synthesis of Surfactant Assisted Nickel Ferrite Nanoparticles (NFNPs@Surfactant) to Amplify their Application as Advance Electrode Material for High Performance, <i>RSC Advances</i> , 14, 20230-20239	4.6
20.	M. Shahbaz, M. Saeed, S. Sharif* , T. T. R. Afzal, A. Ashraf, B. Riaz, Z. Ghaznavi S. Shahzad, M. W. Mushtaq (2024) A review on architecting rational designed metal organic frameworks for the next generation Li-S batteries, <i>Small</i> (2024) 2406616, 1-36.	14.7
21.	A. Shafique, R. Saleem, R. R. M. Khan, Z. Saeed, M. Pervaiz, M. Liaqat, T. Hussain, M. Summer, S. Sharif (2024) Metal-organic frameworks as heterogeneous catalysts for CO ₂ cycloaddition: A promising strategy for CO ₂ mitigation and utilization, <i>Materials Today Chemistry</i> , 41, 102296, 1-57.	6.7
22.	S. Zulfiqar, S. Sharif* , M. S. Nawaz, S. A. Shahzad, M. M. Bashir, T. Iqbal, I. ur Rehman, M. Yar (2024) Cu-MOF loaded chitosan based freeze-dried highly porous dressings with anti-biofilm and pro-angiogenic activities accelerated <i>Pseudomonas aeruginosa</i> infected wounds healing in rats, <i>International Journal of Biological Macromolecules</i> , 271, 132443, 1-13.	8.2
23.	A. Dildar, A. Siddique, M. F. Rabbee, M. Z. Rafiq, R. H. Althoma, S. Sharif , A. J. faifi et al. (2024) para-Nitrophenol detection by an electrochemical approach based on two-dimensional binary metal oxides ZrO ₂ -Nd ₂ O ₃ nanorod fabricated with PEDOT:PSS onto glassy carbon electrode, <i>Microchemical Journal</i> 110720, 1-15.	4.8

24.	J. H. Shah, S. Sharif* , M. Shahbaz, B. Riaz, S. Shahzad, O. Şahin, K. S. Munawar, H. Ahmad, E. A. Al-Ammar (2024) Pyridine-2,6-Dicarboxylic Acid As a Facile and Highly Selective “Turn-Off” Fluorimetric Chemosensor for Detection of Cu (II) Ions in Aqueous Media, <i>Journal of Fluorescence</i> , DOI /10.1007/s10895-024-03764-z	2.73
25.	S. Sharif* , J. H. Shah, M. Shahbaz, B. Riaz, S. Shahzad, O. Şahin, H. Ahmad, E.A. Al-Ammar (2024) Structural, DFT and redox activity investigation of 2D silver based MOF for energy storage devices, <i>Journal of Electroanalytical Chemistry</i> , 961 118226, 1-11.	4.6
26.	M. Shahbaz, S. Sharif* , J. H. Shah, A. Shahzad, Z. S. Şahin, B. Riaz, S. Shahzad (2024) Enhanced electrochemical performance of cerium-based metal organic frameworks derived from pyridine-2,4,6-tricarboxylic acid for energy storage devices, <i>Journal of Energy Storage</i> , 88, 111463, 1-12.	9.4
27.	F. Hassan, R. Naeem, S. Shabbir, S. Sharif , M. Mushtaq, R. Sattar (2024) Composite electrodes with superior catalytic activity in methanol electro-oxidation process fabricated using ternary NiO-CuO-ZnO mixed metal oxides, <i>New Journal of Chemistry</i> , 48, 3614–3623.	3.3
28.	R. Naeem, S. Shakir, S. Sharif , S. Afzal, S. Bashir, M. A. Mansoor (2024) The photoelectrochemically enhanced oxygen evolution reaction via thin films of novel (1:2:1) SnO-Mn ₂ O ₃ -TiO ₂ hybrid nanotubes, <i>Surfaces and Interfaces</i> 46,104034, 1-11.	6.2
29.	M. Shahbaz, B. Dar, S. Sharif*, M. A. Khurshid, S. Hussain, B. Riaz, M. Musaffa, H. Khalid, A. R. Ch., A. Mahboob (2024) Recent advances in fluorimetric and colorimetric detection of cobalt ions, <i>RSC advances</i> , 14, 9819-9847.	4.6
30.	J. H. Shah, S. Sharif* , O. Şahin, M. Shahbaz, W. Azeem, S. Ahmad (2024) A dual-emitting Rhodamine b-encapsulated zn-based MOF for the selective sensing of Chromium(VI), <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> , 310, 123899.	4.6
31.	M. Z. Iqbal, A. Zakir, M. Shaheen, A. Khizar, K. Yousaf, M. J. Iqbal, Z. Ahmad, S. Sharif (2024) Elucidating the redox activity of cobalt-1,2,3,4-cyclopentane-tetracarboxylic acid and 1,2,4,5-benzene-tetracarboxylic acid-based metal organic frameworks for a hybrid supercapacitor, <i>RSC Advances</i> , 14, 1655-1664.	4.6
32.	J. H. Shah, S. Sharif , R. Rehman, A. Arooj (2023) Synthesis and Characterization of Mercury Complex Derived from Trimesic Acid, <i>Futuristic biotechnology</i> , 3, 32-38.	Y category
33.	M. Z. Iqbal, M. Shaheen, A. Khizar, S. Aftab, Z. Ahmad, A. M. Tawfeek, S. Sharif (2023) Redox active pyridine-3,5-di-carboxylate- and 1,2,3,4-cyclopentane tetracarboxylate-based cobalt metal-organic frameworks for hybrid supercapacitors, <i>RSC Advances</i> , 13, 22936-22944.	3.9
34.	S. Sharif* , M. Shahbaz, O. Şahin, M. A. Khurshid, M. M. Anbar, B. Dar, (2023) Synthesis, characterization and fluorimetric study of 2-phenylphthalazin-1(2H)-one: a highly selective fluorescent chemosensor for detection of Fe ³⁺ and Fe ²⁺ metal ions, <i>Journal of Fluorescence</i> , DOI 10.1007/s10895-023-03484-w.	2.73
35.	M. Shahbaz, S. Sharif* , M. Saeed, A. Ashraf, T. Tur R. Afzal (2023) A facile and highly selective fluorimetric chemosensor 1,2,4-Aminonaphthol Sulfonic Acid for detection of Copper ions in aqueous medium, <i>Journal of Luminescence</i> , 263, 120149- 1-8.	3.280
36.	M. Z. Iqbal, M. W. Khan, M. Shaheen, S. Sharif , S. M. Wabaidur, M. Z. Ansari, S. Aftab (2023) 1,2,4,5-benzene-tetra-carboxylic acid and 2-methylimidazole bi-linker intercalated redox active copper organic framework for advanced-supercapacitor hybrids, <i>Journal of Electroanalytical Chemistry</i> , 941, 117505, 1-8.	4.598

37.	M.Z.Iqbal, M.W.Khan, M.Shaheen, S.Siddique, S.Aftab, M.Alzaid, S. Sharif (2023) Cobalt intercalated redox active 1,2,4,5-benzene-tetra-carboxylic acid-pyridine-3,5-dicarboxylic acid bi-linker organic framework for state-of-the-art battery-supercapacitor hybrids, <i>Materials Today Sustainability</i> 21, 100286, 1-9.	7.244
38.	M. Amin, S. Sharif , S. Akram, G. Muhammad, S. Amin, R. Ashraf, M. Mushtaq (2023) A dispersive liquid–liquid microextraction followed by reverse-phase high-performance liquid chromatography for QuEChERS determination of chlorogenic acid, <i>Phytochemical Analysis</i> , 34, 1, 30-39.	3.024
39.	H. M. Arshad, I A. Shahzad, S. Shahid, S. Ali, A. Rauf, S. Sharif , M. EhsanUllah, M. InamUllah, M. Ali, H. I. Ahmad, (2022) Synthesis and Biomedical Applications of Zirconium Nanoparticles: Advanced Leaps and Bounds in the Recent Past, <i>Bio-Med Research International</i> , 1-9, DOI: 10.1155/2022/4910777.	3.246
40.	S. Sharif* , M Saeed, N Dege, R Bano, MA Gilani, O Şahin, S Ahmad, A. Rashid Ch. (2022) Solvothermal Synthesis, Crystal Structure, Thermal, Magnetic Properties and DFT Computations of a Ytterbium (III) Complex Derived from Pyridine-2, 6-Dicarboxylic Acid, <i>Journal of Molecular Structure</i> , 1260, 132877.	3.841
41.	MRiasat, S. Sharif* , S.Khurshid, S.Farid,R.Bano, M. A.Gilani, O.Şahin,F.Perveen, (2022) Ultrasonic assisted synthesis of Zn(II) 2D Coordination Polymer and 4-Nitroaniline Photoluminescence sensing manifestation through DFT studies, <i>Journal of Coordination Chemistry</i> ,75, 3, 1-17.	1.751
42.	Z. Saeed, I. Ahmad, S. Iqbal, U. Younas, M. Pervaiz, R. R. M. Khan, S. Sharif , A. M. Asiri, S. B. Khan, T. Kamal (2021) Evaluating the Effect of Sewage Sludge on Bioactive Components of Momordica charantia, <i>J.Chem.Soc.Pak.</i> ,43, 386-392.	0.536
43.	S. Farid, S. Ameen, S. Sharif* , M. Tariq, I. A. Kundi, O. Sahin, I. U. Khan, (2021) Facile solvothermal syntheses of isostructural lanthanide(III) formates: Photocatalytic, photoluminescent chemosensing properties, and proficient precursors for metal oxide nanoparticles, <i>Journal of Coordination Chemistry</i> , 74, 1700-1719.	1.751
44.	S. Sharif* , S. Zaheer, M. W. Mumtaz, O. Sahin, S. Ahmad, S. Zulfikar, A. Adnan, I. U. Khan, (2021) Synthesis, crystal structures of Gadolinium(III) and Erbium(III) complexes derived from pyridine-2,6-dicarboxylic acid and Fluorescent Sensing of Picric acid, <i>Russian Journal of Coordination Chemistry</i> , 47, 97-106.	1.179
45.	H. M. Arshad, S.Khurshid, S. Sharif , M. Ali, M.Dilshad, M. Ajmal, S. Ali, H. I. Ahmad, (2020) Synthesis and Characterization of Zirconium Metal Complexes Derived from Benzene-1, 4-dicarboxylic acid, <i>J.Chem.Soc.Pak.</i> 42, 919-927	0.536
46.	S. Hussain, S. Ahmad, S. Sharif , S. S. Alarfaji, W. T. A. Harrison, X. Chen, (2020) Structural Characterization of Lutetium(III) and Dysprosium(III) polymers based on 2,5-dihydroxybenzene-1,4-dicarboxylic acid; Magnetic and Photoluminescent Properties of the Dysprosium(III) Complex, <i>Polyhedron</i> , 189, 114732.	3.052
47.	S. Sharif* , R. Bashir, A. Adnan, S. Mansoor, I. Ahmad, A. Rashid Ch, M.S Tahir(2020) Stability indicating, pH and pK _a dependent HPLC-DAD method for the simultaneous determination of weakly ionizable empagliflozin, dapagliflozin and canagliflozin in pharmaceuticals formulations, <i>Chromatographia</i> ,83,1453-1465.	2.044
48.	R. Zafar, I. U. Khan, S. Sharif* , S. Farid, H. Iqbal, N. Kanwal (2020) Simultaneous HPLC-DAD Method of Aspirin, Caffeine and Ephedrine for Weight Loss Formulations, Human Plasma and In-Vitro Drug-Drug Interaction, <i>Journal of Analytical Chemistry</i> , 75, 1589-1598.	1.069
49.	S. Hussain, X. Chen, W. T. A. Harrison, S. Ahmad, S. Sharif , J. Su, S. Muhammad, S. Li (2020) Synthesis, crystal structures and, magnetic and photoluminescence properties of lanthanide-based metal–organic frameworks constructed with 2,5 dihydroxybenzene-1,4-dicarboxylic acid, <i>RSC Adv.</i> , 10, 12841-12850.	4.6

50.	Y. Sharif, S. Irshad, M. H. Tariq, M. I. Qadeer, S. Sharif (2020) Correlation of serum trace elements (copper and selenium) in patients with beta thalassemia major in Pakistan, <i>Trace Elements and Electrolytes</i> , 37, 17-22.	0.329
51.	J. William, P. John, M. W. Mumtaz, A. Rashid Ch., A. Adnan, H. Mukhtar, S. Sharif , S. A. Raza, M. T. Akhtar, (2019) Antioxidant activity, α -glucosidase inhibition and phytochemical profiling of Hyophorbelagenicaulis leaf extracts, <i>Peer J</i> :e7022.	2.984
52.	U. Aslam, N. Ramzan, Z. Aslam, T. Iqbal, S. Sharif , S W Hasan, A. Malik (2019) Enhancement of fuel characteristics of rice husk via torrefaction process, <i>Waste Management & Research</i> , 37, 737-745.	3.549
53.	S. Sharif* , I. U. Khan, O. Sahin, N. Jabeen, S. Ahmad B. Khan, (2019) Synthesis, crystal structure, and magnetic properties of an octanuclear cerium(III) complex of pyridine-2,6-dicarboxylate, <i>Z. Naturforsch</i> , 74b, 255–260.	1.047
54.	N. Kanwal, I. U. Khan, S. Sharif* , E. A. Hussain, A. Mehmood, O. Sahin, (2019) Efficient Syntheses, Crystal Structure and Thermal Properties of Gabapentin 4-Acetamido, 2-Mesitylene and 2,4-DinitroSulfonamides Derivatives, <i>Journal of Chemical Crystallography</i> , https://doi.org/10.1007/s10870-018-00765-2 .	0.603
55.	J. William, P. John, M. W. Mumtaz, A. Rashid Ch., A. Adnan, H. Mukhtar, S. Sharif , S. Ali Raza (2018) Antioxidant activity, Hypoglycemic potential and metabolite profiling of <i>Hyophorbe indic</i> leaf extract. <i>Pak. J. Pharm. Sci.</i> , 31, 6, 2737-2742.	0.684
56.	W. Azeem, P. John, M. F. Nazar, M. Ashfaq, I. U. Khan, S. Sharif , A. Riaz, (2018) Fixed-dose combination antibiotics interacting with quaternary ammonium disinfectant: Insights from spectral and chromatographic measurements, <i>Journal of Solution Chemistry</i> , 47, 6, 1048.	1.677
57.	Waqar Azeem, Faizannazar, Islam Ullah Khan, S. Sharif , A. Riaz (2017) Spectral and chromatographic characterization of fixed dose combination norfloxacin and metronidazole interacting with cetyltrimethylammonium bromide, <i>Journal of Molecular Liquids</i> , 244, 135-140.	6.165
58.	M. A. Shaheen, M. N. Tahir, S. Sabir, A. Anwar, A. A. Isab, A. R. Al-Arfaj, S. Ahmad, S. Sharif (2017) Synthesis and crystal structures of bis(imidazolidine-2-thione- S)bis(thiocyanato- κS)mercury(II) and bis(cyanido)bis(μ 2-imidazolidine-2-thione- κS)mercury(II). <i>Hg(CN)2, Zeitschrift für Naturforschung B</i> , 72, 671-676. doi.org/10.1515/znb-2017-0080	1.047
59.	S. Sharif* , Bushra Khan, Onur Şahin, I. U. Khan, (2016) Lanthanide Complexes with Pyridine-2,6-Dicarboxylic Acid: Synthesis, Crystal Structure, Thermal and Magnetic Properties of $[Ln(PDA)_2(PDAH_2)] \cdot (DMAH_2)_2(DMAH_{0.5})_2$. <i>Russian Journal of Coordination Chemistry</i> , 42, (1), 56-65.	1.179
60.	S. Sharif* , Onur Şahin, Bushra Khan, I.U. Khan, (2015) Hydrothermal Syntheses, structures and magnetic properties of 2D layered Lanthanide (Ln= Pr, Eu, Gd, Tb, and Er) coordination polymers possessing 1D nanosized cavities derived from pyridine-2,6-dicarboxylic acid. <i>Journal of Coordination Chemistry</i> . 68 (15), 2725-2738. (Illustrated on cover page)	1.751
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4.	M. Akkurt, I. Mariam, I. Naseer, I. U. Khan and S. Sharif (2011). N-(4-Methoxyphenyl)-4-methylbenzenesulfonamide. <i>Acta Cryst.</i> E67 , o186
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7.	I. Mariam, A. Rauf, S. Sharif, I. U. Khan and S. W. Ng (2010). Hexa-aquachromium(III) pyridine-2,4,6-tricarboxylate dihydrate. <i>Acta Cryst.</i> E66 , m843.
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35.	S. Ahmad, H. Sadaf, M. Akkurt, S. Sharif and I. U. Khan (2009). Bis (1, 3-dibutylthiourea) dicyanidomercury (II). <i>ActaCryst.</i> E65 , m1191-1192.

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37.	I. U. Khan, S. Sharif, M. N. Arshad, Ejaz, M. Idrees (2009). (2R)-2-Benzenesulfonamido-2-phenylethanoic acid: a new monoclinic polymorph. <i>Acta Cryst.</i> E65 , o2436.
38.	S. Sharif, M. Akkurt, I. U. Khan, S. Nadeem, S. A. Tirmizi, S. Ahmad (2009). 3-Carbamothioylpyridinium iodide. <i>Acta Cryst.</i> E65 , o2423.
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41.	S. Sharif, M. N. Tahir, I. U. Khan, M. A. Salariya, S. Ahmad (2009). (2Z)-Methyl-2-(2-amino-1,3-thiazol-4-yl)-2-(methoxyimino) ethanoate. <i>Acta Cryst.</i> E65 , o1455.
42.	I. U. Khan, G. Mustafa, M. N. Arshad, M. Shafiq, S. Sharif (2009). 4-(4-Bromobenzenesulfonamido) benzoic acid. <i>Acta Cryst.</i> E65 , o1073.
43.	S. Sharif, M. N. Tahir, I. U. Khan, S. Ahmad, M. A. Salariya (2009). Methyl-2-(2-amino-1,3-thiazol-4-yl)-2-[(Z)- methoxy carbonyl methoxyimino] ethanoate. <i>Acta Cryst.</i> E65 , o713.

Teaching Experience

B.S (Hons) VII CHEM-4139	Electroanalytical Techniques
B.S (Hons) VIII CHEM-4238	Luminescence Spectroscopy and Thermal Analysis
(PhD) CHEM-8102	Supramolecular Chemistry
(PhD) CHEM-569	The Chemistry and analysis of Forensic evidences
(PhD) CHEM-8207	X-Ray Crystallography
(MS Chemistry) PhAC106	Advanced Chromatographic Techniques
(MS Chemistry) CHEM-515	Thermal Analysis
(MS Chemistry) CHEM-514	Quality Control and Quality Assurance
(M. Phil) CHEM-7107	Solid State Chemistry/ X-ray Crystallography
(M. Phil) CHEM-7106	Separation Techniques
(M. Phil) CHEM-7210	Instrumental Analysis-P
(M. Phil- Forensic) FCHEM-7108	Analytical Techniques in Forensic Chemistry
B.S (Hons) IV CHEM-4104	Analytical Techniques (Thermal Analysis)
B.S (Hons) IV EC-CHEM-414	Electrochemical Techniques
B.S (Hons) IV CHEM-2202	Analytical Chemistry

Courses Designed and approved for PhD/MS

- X-ray Analysis and Crystal Structure Determination, CHEM-7110, M. Phil
- X-Ray Crystallography, CHEM-8207, PhD
- Electrochemical Energy Storage Devices (under process of approval)
- Design, Analysis and Applications of Metal Organic Frameworks (under process of approval)

Selected Awards and Scholarships

- Best PhD Scholar of the year 2013-2014
- Ministry of Science & Technology Research Productivity Award for year 2012 (Category 'F').
- Indigenous Ph.D fellowship (HEC- Batch –VI)
- International Research Support Initiative program, University of Oxford, (HEC-IRSIP)
- Charles Wallace Pakistan Trust, Doctoral Bursary at the University of Oxford.

Selected Conferences/Seminars/Workshops, Symposium & Poster Presentation

- Symposium on energy conversion and storage technologies: Batteries, Solar cells and Fuel cells, 2024
- 2nd International Chemistry conference on recent advances in chemical sciences, March, 20-22, 2019, Member organizing committee
- International Nathiagali Summer College 2017 (INSC) for the 1st Scientific Activity, “Applications of Synchrotron Light Sources, 17- 22 July, 2017 (3rd Position poster presentation)
- 2nd Tunisian Chemical Society Conference on Coordination Chemistry, 11-14 May, 2017.
- Presented abstract in 5th Chemistry Conference on Chemistry in Engineering and Life Sciences at PINSTECH, Islamabad, 04-06 November 2013.
- One day conference of Chemical Group of British Crystallographic Association In CHILTON, U.K, on 16th November, 2011.
- One day Seminar on Proof reading at Oxford learning Institute, U.K, 01, November, 2011
- One day Seminar on CV and interview skills for research staff, at Oxford learning Institute, U.K, 28, November, 2011.
- One day Seminar on Time Management: for managers & academic/research staff, at Oxford learning Institute, U.K, 24, October, 2011.
- A Symposium to Mark the retirement of Dr David J. Watkin, Head Chemical Crystallography, CRL, University Oxford, U.K, 09, September, 2011.
- A personal and professional development course for men, Navigator-2011, Oxford, U.K.

Hands on experience on instruments

DIMOND LIGHT SOURCE (SYNCHROTRON RADIATIONS), SINGLE CRYSTAL XRD, SQUID MAGNETOMETER, HPLC, ELEMENTAL ANALYZER, FTIR, GC-MS, TGA/DSC, ATOMIC ABSORPTION SPECTROPHOTOMETER, FLUORESCENCE SPECTROPHOTOMETER, ELECTROCHEMICAL WORK STATION

Students Supervision

- **Total Students Supervised# 98, Ph.D = 03**, M. Phil/MS Forensic = 44; M.Sc/BS(Hons) = 52
- **Research Students in Progress:**
Ph.D Students: 04; (01 thesis submitted, 02 Synopsis approved, 01 synopsis under process course work completed)
MS/MPhil Students: 04
M.Sc/BS(Hons): 06