**Dr. Shabana Noor**
**Address:** Department of Applied Science & Humanities, F/O Engineering & Technology, Jamia Millia Islamia, New Delhi-110025
**Contact No.:** +91 8218662563**, e-mail:** shabanachem0711@gmail.com

**Educational Qualification:**

| Name of Degree | Institution | Year |
|---|---|---|
| Ph.D. | Aligarh Muslim University, Aligarh, Uttar Pradesh, INDIA | 2011 |
| M.Sc. | Aligarh Muslim University, Aligarh, Uttar Pradesh, INDIA | 2006 |
| B. Sc. (Hons) | Aligarh Muslim University, Aligarh, Uttar Pradesh, INDIA | 2004 |
| SSSC-II | Aligarh Muslim University, Aligarh, Uttar Pradesh, INDIA | 2000 |
| SSC-II | Aligarh Muslim University, Aligarh, Uttar Pradesh, INDIA | 1998 |

**Details of Work Experience :**

| S. No. | Organisation | Designation | Duration | Year / Month | Work Profile |
|---|---|---|---|---|---|
| 1 | Jamia Millia Islamia, New Delhi | Guest Faculty | Aug 2022 Till Date | 2/7 | Teaching |
| 2 | CSIR, Govt. of India | Senior research Associate (SRA) | Mar 2017 Mar 2021 | 3 | Research and Training |
| 3 | SERB-DST, Govt. of India | Fast Track Young Scientist | May 2014 May2017 | 3 | Research and Teaching |
| 4 | Institute of Information Management & Technology , Aligarh, UP | Lecturer | Sept 2012 May 2014 | 1/8 | Teaching |
| **Total Experience** | | | **10 Years & 3 Months** | | |

**Research Publications / Papers Presented in Conferences:**

| Projects | No. of publications | Book/ Chapter | Conferences |
|---|---|---|---|
| **2** | **16** | **2** | **12** |

**Publications**

1. Structural characterization of heterdinuclear ZnII- LnIII complexes (Ln=Pr, Nd) with a ring contracted H2valdien Schiff base ligand Shabana Noor, Richard Goddard, Fehmeeda Khatoon, Sarvendra Kumar, Rüdiger W. Seidel, ***Journal of Chemical Crystallography*****, (2022) 52:89–96.**
2. Chiral crystallization of a zinc(II) complex. **Shabana Noor**, Shintaro Suda, Tomoyuki Haraguchi, Fehmeeda Khatoon and Takashiro Akitsu**,** ***Acta Cryst. Section E Structure Reports Online E*** **E77, 542–546, 2021.**

3. On the Chiral Z = 2 Crystal Structure of [Cu2(H2valdien)2](NO3)2 [H2valdien = N1 N3-bis(3-methoxysalicylidene)diethylenetriamine], Shabana Noor , R. Goddard , S. Kumar, N. Ahmad, S. Sabir, P. Mitra, R. W. Seidel, ***Journal of Chemical Crystallography*** 48:164–169, 2018.
4. Linearly Polarized UV Light-Induced Optical Anisotropy of PVA Films and Flexible Macrocycle Schiff Base Ni(II), Cu(II), Zn(II) Dinuclear Complexes**,** M. Takase, S. Yagi,T. Haraguchi, Shabana Noor and T. Akitsu, ***Symmetry*** , *10*(12), 760, 2018
5. Synthesis and Structural characterization of New [Cu(II)-TiO2] composites from Cu(II)-salen as precursors. Minoru Matsuno, **Shabana Noor**, Takashi Numata, Tomoyuki Haraguchi, Takashiro Akitsu, and Michikazu Hara ***, J. Ind. Chem. Soc***., 94, 1-10, 2017**.**
6. Orbital and molecular design of new naphthyl-salen type transition metal complexes toward DSSC dyes. M. Yamaguchi, Y. Tsunoda, S. Tanaka, T. Haraguchi, M. Sugiyama, **Shabana Noor**, T. Akitsu**.** ***J. Ind. Chem. Soc***., 94, 791-772, 2017.
7. Design and Synthesis of heterometallic $Cu^{II}$-$Dy^{III}$ complexes: Single molecule magnet Properties **Shabana Noor**, Sarvendra Kumar, Suhail Sabir*, **Proc. of the Intl. Conf. on Nanotechnology for Better Living,* 3(1), 4, 2016.**
8. Redetermination of diaqua[N,N′-bis(3-methoxy-2- oxidobenzylidene)ethylenediamine-$\kappa^4$O,N,N′,O′]- manganese(III) perchlorate at 100 K. **Shabana Noor**, Ru¨diger W. Seidel and Richard Goddard, Sarvendra Kumar, Suhail Sabir. ***IUCrData***, 1, x161735, 2016.
9. Crystal structure of {6,6'-dihydroxy-2,2'-[iminobis(propane-1,3- diylnitrilomethanylylidene)] diphenolato-[$k^5O^1$,N,N',N",O1'}copper(II) **Shabana Noor**, Sarvendra Kumar, Suhail Sabir, Ru¨diger W. Seidel and Richard Goddard. ***Acta Cryst. Section E: Structure Reports Online E*** 71, 11,m203-m204, 2015.
10. Crystal structure of {2-[({2-[(2-aminoethyl)amino]ethyl}imino)methyl]-6-hydroxyphenolato-$\kappa^4$ N,N′,N′′,$O^1$}(nitrato-κO)copper(II) ethanol 0.25- solvate[$Cu(C_{11}H_{16}N_3O_2)(NO_3)$]·0.25C2H6O . **Shabana Noor**, S. Kumar, S. Sabir, R.W. Seidel and R. Goddard. (2015). ***Acta Cryst. E: Structure Reports Online*** *E71, 11*, m205-m206, 2015.
11. Spectral, thermal and electrochemical characterization of novel homo-dinuclear complexes [M2(H3DTPA)(H2O)6]Cl2·xH2O (M = $Cr^{2+}$, $Mn^{2+}$, $Co^{2+}$, $Ni^{2+}$ or $Cu^{2+}$). Zafar A. Siddiqi*, **Shabana Noor**, M. Shahid, M. Khalid. ***Spectrochimica Acta Part A:Molecular and Biomolecular Spectroscopy.*** 78, 1386-139***1, 2011.***
12. Spectral and Physico-chemical investigations of novel homo-bimetallic di-□2-alkoxo bridged Schiff base complexes: $^{57}$Fe Mössbauer parameters of the Fe(III) complex, Z.A. Siddiqi, M. Khalid, S. Kumar, M. Shahid, **Shabana Noor,** ***Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy.***75, 851-845, 2010**.**
13. Antimicrobial and SOD activities of novel transition metal complexes of pyridine-2,6-dicarboxylic acid containing 4-picoline as auxiliary ligand**,** Z.A. Siddiqi, M. Khalid, S. Kumar, M. Shahid, **Shabana Noor**, ***Eur. J. Med. Chem*.** 45, 264-269, 2010**.**
14. Synthesis, physico-chemical and spectral investigations of novel homo-bimetallic mixed-ligand complexes: $^{57}$Fe Mössbauer parameters of [Fe2(imda)2(H2O)3Cl], Z.A. Siddiqi, M. Shahid, M Khalid, **Shabana Noor**, S. Kumar, ***Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*** 75, 61-68, 2010.
15. Synthesis, crystal structure and in-vitro antitumor activity of carboxylate bridged dinuclear organotin(IV) complexes, Z.A. Siddiqi, M. Shahid, S. Kumar, M. Khalid, **Shabana Noor**, ***J. Organomet. Chem.***, 694, 3768-3774, 2009.
16. Spectroscopic and antimicrobial studies of $La^{3+}$, $Pr^{3+}$, $Nd^{3+}$ and $Gd^{3+}$ complexes of a dipodal [N,N,N] chelating ligand, Z.A. Siddiqi, M. Shahid, M. Khalid, **S. Noor**, S. Kumar, ***Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*** 74, 391-397,2009.

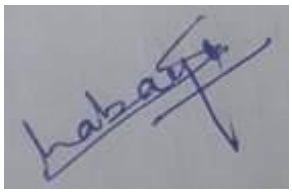
**Chapters**

1. Mathematical properties of Salen-type metal complexes based on crystal structure. **Shabana Noor**, R. Kikuchi, D. Nakane, T. Akitsu. **Functional Materials,** 1,vol 45, page 19-23, 2025, ISSN 0286-483, CMC Publishing.
2. Computational and data-driven chemistry and bioinformatics using AI**.** T. Akitsu, J. Iwama, T. Haraguchi, **Shabana Noor,** F. Khatoon , **For materials informatics Data creation and its analysis, application examples**, 2023 ISBN 978-4-86104-854-8. Publisher Technical Information Institute Co, Ltd. page number 500

References

| **Name of Referee** | **Address of the Referee** |
|---|---|
| Prof. Fehmeeda Khatoon | D/o Applied Sciences & Humanities F/o Engineering & Technology,<br>Jamia Millia Islamia,<br>New Delhi 110025 |
| Prof. Quddus Khan | D/o Applied Sciences & Humanities<br>F/o Engineering & Technology,<br>Jamia Millia Islamia,<br>New Delhi 110025 |

I hereby declare that all the information mentioned above is true to the best of my knowledge.



Place: New Delhi
Date: 19th March 2025

(Dr. Shabana Noor)