Dr. ANUJ K. SHARMA, CV

Assistant Professor

Department of Chemistry
School of Chemical Sciences & Pharmacy
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DOB: 02 January 1982
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Professional Positions

December 2016-till date	**Assistant Professor at Central University of Rajasthan**
March 2014-Decemebr 2016 :	DST-INSPIRE Faculty at Central University of Rajasthan
October 2009-March 2014 :	Post-Doctoral Research Associate at Washington University in St. Louis, USA Project: *Development of Novel Chemical Compounds for Prevention, Diagnosis, Imaging and Treatment of Alzheimer's Disease* **Advisor: Professor Liviu M. Mirica**
July 2004-December-2004 :	Trainee Research Associate at Jubilant Organosys Ltd. Noida

Education

2005-2009 :	**Ph. D.,** Chemistry, Indian Institute of Technology, Kanpur, India Thesis Title: *"Phenoxo-Bridged Cu^{II} Dimers and Phenoxo-/Acetato-Bridged Homo-(Ni^{II}_3, Co^{II}_3, and Fe^{II}_3) and Hetero-nuclear ($Ni^{II}_2Mn^{II}$, $Ni^{II}_2Co^{II}$, and $Co^{II}_2Mn^{II}$) Trimers: Magneto-Structural Studies* **Advisor: Professor R. N. Mukherjee**
2002-2004 :	**M. Sc.** Chemistry, Indian Institute of Technology Roorkee, India Project : "Synthesis and Characterization of Novel Metal Chelating Resins"
1998-2001:	**B.Sc.** J. V. College Baraut (C. C. S. University Meerut)

Major Research Interest

Inorganic Chemistry, Coordination Chemistry, Inorganic Medicine, Bio-Inorganic Chemistry, Magneto-Structural Correlations, Imaging Agents in Biology, Neurodegenerative Disease, Metals in Biology.

Sponsored Project

S.No.	Funding Agency	Title	Duration
1.	DST, India	"Smart metal Chelators for MRI Contrast Agents" [35Lakh]	2014-19
2.	DST-SERB	"Multifunctional Small Molecule based on Azo-Stilbene Molecular Framework as Amyloid Imaging Agents and Metal Chelators for Controlling Metal Induced-Neurodegenrative Diseases" [54.3 lakh]	2016-19
3.	UGC	Design and Synthesis of Selected Transition Metal (Fe, Ru, Rh, Ir) complexes/Arene Complexes and Investigating their Anticancer Potential [10 lakh]	2018-21
4.	DST-SERB	International Travel Support	2018
5.	DST-SERB	Crystal Engineering and Molecular Magnetism in some 3d bivalent metal organic framework (*Mentor of Dr. Kishalay	2017-19

List of Publications of Dr. Anuj Kr. Sharma

YEAR	S. No.	Details
2020	**32**	Khan, T. A.; Bhar, K.; Thirumoorthi, R.; Roy, T. K.; **Sharma, A. K.*** "Design, Synthesis, Characterization and Evaluation of Anticancer Activity of Water-Soluble Half-sandwich Ruthenium (II) Arene Halido Complexes" **New Journal of Chemistry, 2020, 44, 239-257.** [DOI: 10.1039/C9NJ03663F]
2019	**31**	Raj M. V. N.; Bhar, K.; Khan, T. A.; Jain, S.; Perdih, F.; Mitra, P.; **Sharma, A. K.*** "Temperature induced spin crossover behaviour in mononuclear cobalt(II) bis terpyridine complexes" **MRS Advances, 2019, 4 (28-29), 1597-1610.**
	30	Raj M. V. N.; Bhar, K.; Jain, S.; Rana, M.; Khan, T. A.; **Sharma, A. K.*** "Syntheses, X-ray structures, electrochemical properties and biological evaluation of mono- and di-nuclear N2O2-donor ligand-Fe systems" **Transition Metal Chemistry, 2019, 44(7), 615-626.**
	29	Singh, A. K.; Gothwal, A.; Rani, S.; Rana, M.; **Sharma, A. K.** Yadav, A. K.; Gupta, U.* "Dendrimer Donepezil Conjugates for Improved Brain Delivery and Better in vivo Pharmacokinetics" **ACS Omega, 2019, 4, 4519-4529.**
	28	Sheoran, M.; Bhar, K.; Jain, S.; Rana, M.; Khan, T. A.; **Sharma, A. K.*** "Dinuclearphenoxo-bridged copper(II) complexes: Syntheses, crystal structures and catecholase activity" ***Polyhedron*, 2019,** *161,* 169-178.
	27	Rana, M.; **Sharma, A. K.* "**Metal Ions & Alzheimer's Disease: The Inorganic Chemistry Perspective" **Top 10 commentaries in Alzheimer's Disease**, Open Access Book Chapter available at (http://www.avidscience.com/book/top-10-commentaries-in-alzheimers-disease/).
	26	Rana, M.; **Sharma, A. K.*** "Cu and Zn Interactions with Aβ peptides: Consequence of Coordination on Aggregation and Formation of Neurotoxic Soluble Aβ Oligomers" ***Metallomics***, **2019**, 11, 64-84. [DOI: 10.1039/c8mt00203g]
2018	**25**	Rajput, A.; **Sharma, A. K.;** Barman, S. K.; Lloret, F.; Mukherjee, R.*, "*$[Co^{III}(L)_2]_z$ Complexes (L = Azo-appended o-Aminophenol; z = 1–, 0, 1+, 2+). Ligand Redox-Level Mixed-Valency in the Neutral Form*", ***Dalton Trans.*** **2018**, *47*, 17086-17101.
	24	Sheoran, M.; Bhar, K.; Khan, T. A.; Naik, S. G.; **Sharma, A. K.***, "*Dinuclear zinc(II) halide complexes: Synthesis, characterization and study of phosphatase activity and DNA binding*" ***Journal of Chemical Science*, 2018,** 130, 108.
	23	Pandey, P; Sharma, A.; Rani, S; Mishra, G.; Gopal, K.; Patra, A.; Rana, M.; Sharma, A. K.; Yadav, A.; Gupta, U.* "*MCM-41 Nanoparticles for Brain Delivery: Better Choline-Esterase and Amyloid Formation Inhibition with Improved Kinetics*", ***ACS Biomaterials Science & Engineering*, 2018,** 4(8), 2860-2869.
	22	Rana, M.; Cho, H.-J.; Roy, T. K.; Mirica, L. M.; **Sharma, A. K.*** "*Azo-dyes based small bifunctional molecules for metal chelation and controlling amyloid formation*", ***Inorg. Chim. Acta, 2018,*** 471, 419-429.
2017	**21**	**Sharma**, **A. K.**; **Schultz**, J. W.; Prior, J. T.; Rath, N. P.; Mirica, L. M. "*Coordination Chemistry of Bifunctional Chemical Agents Designed for Applications in ^{64}Cu PET Imaging for Alzheimer's Disease*", ***Inorg. Chem.*** **2017,** 56, 13801-13814.
	20	Bandara, N.; **Sharma, A. K**.; Krieger, S.; Schultz, J. W.; Han, B.-H.; Rogers,

B. E.; Mirica, L. M.* "*Evaluation of ^{64}Cu-based Radiopharmaceuticals that Target Aβ Peptide Aggregates as Diagnostic T ools for Alzheimer's Disease*" ***J. Am. Chem. Soc.*** **2017,** 139(36), 12550-12558.

19 Sheoran, M.; Bhar, K.; **Sharma, A. K.;** Naik, S. G. "*Phosphatase activity and DNA binding studies of dinuclearphenoxo-bridged zinc(II) complexes with N,N,O-donor ligand and halide ions of rare cis-configuration*", ***Polyhedron*****, 2017,** 129, 82-91.

2016 **18** Yaragorla, S.* Dada, R.; Singh, G.; Pareek, A.; Rana M.; **Sharma, A. K.** "*Ca(II)-Catalyzed regioselective cascade synthesis of Oxindolyl naphthofurans through Meyer-Schuster type Rearrangement*" ***Chemistry Select 2016,*** 1(21), 6902-6906.

17 Badgurjar, D.; Sudhakar, K.; Jain, K.; Kalantri, V.; Venkatesh, Y.; Duvva, N.; Prasanthkumar, S.; **Sharma, A. K.;*** Bangal, P. R.;* Chitta, R.;* Giribabu. L.* "*Ultrafast Intramolecular Photo-induced Energy Transfer Events in Benzothiazole –Borondipyrromethene Donor – Acceptor Dyads*" ***J. Phys. Chem. C. 2016****, 120,* 16305-16321.

16 Pareek, A.; Dada, R.; Rana M.; **Sharma, A. K.;** Yaragorla, S.* "*Bu_4NPF_6 promoted regioselective cascade synthesis of functionally embellished naphthofurans under acid, metal & solvent free conditions*" ***RSC Advances*****, 2016,** 6, 89732-89743.

15 Bera, S.; Lamba, S.; Rashid, M.; **Sharma, A. K.;** Medvinsky, A. B.; Li, B.-L.; Chakraborty, A.* "*Robust kinetic regulation of ammonium assimilation by glutamate dehydrogenase*" ***Integrative Biology*****, 2016,** 8(11), 1126-1132.

2015 **14** **US Patent "***Metal-binding bifunctional compounds as diagnostic agents for alzheimer's disease*" Mirica, L. M.; **Sharma, A. K.;** Schultz, J.; Publication date: 2015-07-30, **US Patent.** Patent Publication Number: US20150209452 A1; Application No. US 14/606,714.

2014 **13** **Sharma**, **A. K.**; Kim, J.; Hawco, N. J.; Rath, N. P.; Kim, J.; Mirica, L. M.* "*Small Bifunctional Chelators that Do Not Dissagregate Amyloid Fibrils Show Reduced Celular Toxicity*", ***Inorg. Chem.*** **2014,** 53, 11367-11376.

12 Mishra, V.; **Sharma**, **A. K.**; Mukherjee, R.* "*Formation of 1D-Chain via C–H...Cl Interaction Utilizing [(L3)ZnIICl2] (L3 = 2-[3-(20-Pyridyl)pyrazol-1-ylmethyl]-(1-methylimidazole)) Tecton*", ***Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci.*** **2014,** 84(2), 315-320.

11 Rajput, A.; **Sharma. A. K.**; Barman, S.; Koley, S.; Mukherjee, R.* "*Low-Spin Iron(III) Complexes in Neutral, Monocation, and Monoanion Forms Stabilized by Azo-Appended Tridentate o-Amidophenolate(2-) and o-Iminobenzosemi-quinonate(1-) π Radical*", ***Inorg. Chem.*** **2014,** 53, 36-48.

2013 **10** **Sharma, A. K.**; Lloret, F.; Mukherjee, R.* "*Phenolate- and Acetate (Both μ2-1,1 and μ2-1,3 Mode)-Bridged Linear $Co^{II}3$ and CoII2MnII Trimers: Magneto-structural Studies*", ***Inorg. Chem.*** **2013,** *52,* 4825-4833.

9 **Sharm**a, **A. K.**; Pavlova, S. T.; Kim, J.; Kim, J.; Mirica, L. M.* "*The Effect of Cu^{2+} and Zn^{2+} on the Aβ42 Peptide Aggregation and Cellular Toxicity*", ***Metallomics*** **2013,** *5*, 1529-1536.

8 Zhang, Y.; Rempel, D. L.; Zhang, J.; **Sharma**, **A. K.**; Gross, M. L.; Mirica, L. M.* "*Pulsed Hydrogen/Deuterium Exchange Mass Spectrometry Probes Conformational Changes in Amyloid Beta (Aβ) Aggregation*", ***Proc. Natl. Acad. Sci*****. U.S.A., 2013,** *110(26)*, 10604-10609.

2012 **7** **Sharma, A. K.**; Pavlova, S. T.; Kim, J.; Finkelstein, D.; Hawco, N. J.; Rath, N. P.; Kim, J.; Mirica, L. M.* "*Bifunctional Compounds for Controlling Metal-Mediated Aggregation of Aβ42 Peptide*", ***J. Am. Chem. Soc.*** **2012,** *134*, 6625-6636.

2011	**6**	**Sharma, A. K.**; De, A.; Balamurugan, V.; Mukherjee, R. "Conformational Flexibility of 2,6-bis(pyrazol-1-ylmethyl)pyridine (L^5) in Discrete Complexes $[(L^5)Co^{II}(H_2O)_3]Cl_2$ and $[(L^5)Ni^{II}(H_2O)_2Cl]Cl\cdot H_2O$ and in a Coordination Polymer $[(L^5)Hg^{II}Cl_2]\cdot HgCl_2$: Notable Supramolecular Topologies", ***Inorg. Chim. Acta*** **2011**, *372*, 327-332.
	5	Javed, S.; Balamurugan, V.; Jacob, W.; **Sharma**, **A. K.**; Mukherjee, R. N.* "*Discrete Monomeric and Chloride-Bridged and 1D Coordination Polymeric Mercury(II) Complexes of a Class of Pyridyl-Pyrazole Ligand with Variable Denticity and Flexibility*", ***Indian J. Chem. Sec. A*****, 2011**, 1248-1256.
2010	**4**	**Sharma**, **A. K.**; Biswas, S.; Barman, S. K.; Mukherjee, R.* "*Azo-containing Pyridine Amide Ligand. A Six-coordinate Nickel(II) Complex and its One-electron Oxidized Species: Structure and Properties*", ***Inorg. Chim. Acta*** **2010,** *363*, 2720-2727.
2009	**3**	**Sharma, A. K.**; De, A.; Mukherjee, R.* "*Design, Structure, and Properties of Functional Metal-Ligand Inorganic Modules*", ***Current Opinion in Solid State and Material Science***, **2009,** 13, 54-67**.**
2008	**2**	**Sharma, A. K.**; Mukherjee, R.* "*Synthesis and Properties of (2-pyridyl)alkylamine- and (2-pyridyl)alkylamine-amide-coordinated Copper(II) Complexes. Structures and Noncovalent Interactions*", ***Inorg. Chim. Acta*** **2008,** *361*, 2768-2776.
2007	**1**	**Sharma, A. K.**; Lloret, F.; V.; Mukherjee, R. "Phenolate- and Acetate (both μ_2-1,1 and μ_2-1,3 mode)- Bridged Face-Shared Trioctahedral Linear Ni^{II}_3, $Ni^{II}_2M^{II}$ (M = Mn, Co) Complexes: Ferro- and Antiferromagnetic Coupling", ***Inorg. Chem.*** **2007**, *46*, 5128-5130.

Courses Taught at Central University of Rajasthan

S. No.	Title of the Course	Level/Class
1.	Transition Metal Chemistry (CHT-201/ICHT-801)	M.Sc.
2.	Advance Topics in Inorganic Chemistry (PCHT-104)	PhD
3.	Bioinorganic Chemistry (CHT-305)	M.Sc. (2Y)
4.	Bioinorganic Chemistry (BCHT-601)	Int. M.Sc. B. Ed.
5.	Inorganic Chemistry-1 (ICHT-101)	Int. M.Sc.
6.	Inorganic Chemistry-II (ICHT-501)	Int. M.Sc.
7.	Inorganic Chemistry-III (ICHT-601)	Int. M.Sc.
8.	Physical Chemistry-III (ICHT-603)	Int. M.Sc.
9.	Physical Chemistry Lab (CHP-202)	M.Sc. (2Y)
10.	Physical Chemistry lab BCHP-401	Int. M.Sc. B. Ed.
11.	Physical Chemistry lab ICHP-802	Int. M.Sc.
12.	Inorganic Chemistry Lab-1 (ICHP-101)	Int. M.Sc.
13.	Physical Chemistry Lab-1 (ICHP-301)	Int. M.Sc.
14.	Organic Chemistry Lab-1 (ICHP-201)	Int. M.Sc.
15.	Seminar (ICHP-602)	Int. M.Sc.

Academic Achievements/Distinctions

1. 2018-International Travel Support from Science & Engineering Research Board for attending International Conference of Coordination Chemistry held at Sendai Japan.
2. 2018-Best Oral Presentation Award in Convention of Chemistry Teachers" conference at RIE Ajmer from 25-27th October 2018.
3. 2014-DST-INSPIRE Faculty Award for a period of 5 year (2014-2019)
4. 2009-Post-Doctoral Research Associate position at Washington University in St. Louis, USA
5. 2007-Travel Support from IIT Kanpur for attending "First Asian Conference of Coordination Chemistry" in Okazaki Japan.
6. 2007-Best Poster Award for presenting poster in First Asian Conference of Coordination Chemistry" in Okazaki Japan.
7. 2004-Council of Scientific and Industrial Research (CSIR) National Eligibility Test, (JRF and SRF).
8. 2004-Graduate Aptitude Test for Engineering (GATE).

Conference Presentations

S. No.	Type of presentation	Title of the presentation	*Details of Conference & Organizers*
22	**Short Invited Lecture**	Multifunctional Inorganic Systems for Biomedical Applications	XVIII Modern Trends in Inorganic Chemistry conference organized at IIT Guwahati from 11th – 14th, December, 2019.
21	**Plenary Lecture and Session Chair**	Novel Multifunctional Inorganic Systems for Biomedical Applications	32nd Indo-Canadian Multidisciplinary Research**:** Trends and Prospects Organised by Institute of Infrastructure, Research and Management, Ahmedabad on 28th – 29th, December, 2018.
20	**Invited Lecture and Session Chair**	Judicious Design of Multifunctional Inorganic Systems for Biomedical Applications	International Conference on Advanced Materials, Energy, & Environmental Sustainability Organized by Department of Chemistry & Physics, UPES, Dehradun National Conference on 14th– 15th, December, 2018.
19	ORAL	Smart Multifunctional Systems for Metal-Amyloids Interaction and Imaging Applications	"*National Conference on New Trends in Research and Education in Chemical Sciences' organized at Regional Institute of Education, Ajmer from 25-27, October 2018.*
18	**Session Chair**	**NA**	*Department of Chemistry, Sophia Girls' College (Autonomous), Ajmer, Rajasthan is organizing a National Conference on "Advances in Science & Technology – an Interdisciplinary Approach (ASTIA – 2018) on 15th–16th, October, 2018.*
17	ORAL	Smart Multifunctional Systems for Metal-Amyloids Interaction and Imaging Applications	*43rd International Conference of Coordination Chemistry (ICCC-2018) held at Sendai, Japan during 30 July to 04 August 2018*
16	**Invited Lecture**	Multifunctional Molecular Frameworks Designed for Metal-Chelation Therapy in Alzheimer's Disease	*National Conference on Recent Frontiers in Chemistry" held at HNB Garhwal University, Srinagar Garhwal, Uttarakhand during 27-28th April 2018*

15	ORAL	Congo-Red-inspired-azo-stilbene molecular frameworks designed for metal-chelation therapy in Alzheimer's disease	*24th ISCB International Conference on (ISCBC-2018) on Frontier Research in Chemistry & Biology Interface" held at Manipal University, Jaipur from 11-13th January 2018*
14	Lecture	Magneto-structural properties of phenolate-acetate-bridged polynuclear metal complexes	*National Symposium on Technologically Advanced Functional Materials (NSTAFM-2017) being organized by the Department of Physics, Central University of Rajasthan during 16-17th, March 2017*
13	Poster	Congo-Red-inspired-azo-stilbene molecular frameworks designed for metal-chelation therapy in Alzheimer's disease	*International conference on Frontiers at Chemistry-Allied Sciences Interface" during July 22-23, 2017 at Rajasthan University, Jaipur*
12	Poster	Smart Metal Chelating Agents for Neurodegenrative Disease	*International conference on Frontiers at Chemistry-Allied Sciences Interface" during April 25-26, 2016 at Rajasthan University, Jaipur*
11	Poster	Metal and Amyloids: Interaction and Theranostic Agents	*International Conference on Metal in Genetics and Biology held at IISc Bangalore, India during 17th-20th February 2016.*
10	Poster	Smart Metal chelators for Metal-Amyloid Interaction and Amyloid Plaque Imaging	*National symposium on emerging trends in chemical sciences held at Central University of Rajasthan on 18th March 2016*
9	Poster	Multifunctional Systems for Metal-Amyloids Interaction and Imaging Applications	*XVI International Symposium of Modern Trends in Inorganic Chemistry, held during December 06-08, 2015 at Jadavpur University, Kolkata*
8	Poster	Multifunctional Compounds for Controlling Metal-Mediated Neurodegenration	*17th CRSI National Symposium in Chemistry, held during February 06-08, 2015 at CSIR-NCL, Pune*
7	ORAL	The Effect of Cu2+ and Zn2+ on the Amyloid-b Peptide Aggregation and Cellular Toxicity	*Biochemistry & The Computational & Molecular Biophysics Retreat October 25th and 26th, 2013 held at Cedar Creek Conference Center, Missouri. USA*
6	ORAL	Bifunctional Compounds for Controlling Metal-Mediated Aggregation of Aβ42 Peptide	*Missouri Inorganic Day at St. Louis University, St. Louis, USA, on 5th May 2012*
5	Poster	New Bifunctional Compounds for Fluorescence Imaging and Controlling Metal-Mediated Aggregation of Aβ42 Peptide	*Biochemistry & The Computational & Molecular Biophysics Retreat October 25th and 26th, 2012 held at Cedar Creek Conference Center, Missouri. USA*
4	Poster	New chemical agents for controlling amyloid-b peptide oligomerization/aggregation in Alzheimer's disease"	*Biochemistry & The Computational & Molecular Biophysics Retreat October 8th & 9th, 2010 held at Cedar Creek Conference Center, Missouri. USA*
3	Poster	New Chemical Agents for Controlling Amyloid-b Peptide Oligomerization/Aggregation in Alzheimer's Disease	*St. Louis University in Missouri Inorganic Day on 8th May 2010.*
2	Poster	Homo and Hetero Face-Shared Trioctahedral Linear Complexes: Magneto-structural Trend	*First Asian Conference on coordination Chemistry (ACCC-1), Okazaki, Japan (July 29th to 2nd*

			August, 2007).
1	Poster	Molecular and Electronic Structure of Coordination Complexes with Non-Innocent Ligands	*A special symposium "Friends of Inorganic Chemistry" for the 70th birthday of Prof. Animesh Chakravorty held in December 2008 at IACS Kolkata, India*

Other Academic Participation/Contribution

1. Coordinator, Four weeks induction training program (27th May to 22nd June 2019) by Teaching Learning Center @ Central University of Rajasthan.
2. Member, Organizing committee of 10 days' workshop on Teaching-Learning & Evaluation for Faculty Members of HEIs (14th to 24th December 2018) by Teaching Learning Center @ Central University of Rajasthan.
3. Member, Board of Studies, Department of Chemistry, Central University of Rajasthan.
4. Member, Board of Studies, Sophia College, Ajmer.
5. Deputy Coordinator (Academic Year 2018-19, 2019-20) of Integrated M.Sc. (5Y) Program at Central University of Rajasthan
6. Member, Organizing committee of four weeks induction training program (1st to 26th May 2018) by Teaching Learning Center @ Central University of Rajasthan.
7. Attended "Science Academies lecture workshop on Chemistry at the Interface of Biology", during March 02-04, 2016 at Central University of Rajasthan.
8. Participated in four weeks induction training program (1st to 26th May 2018) by Teaching Learning Center @ Central University of Rajasthan with "**A"** grade.
9. Attended a Refresher Course by Indian Academies of Sciences in *Advances in Chemical Sciences and Sustainable Development* for College/University teachers and research scholars organized at the Department of Chemistry, School of Chemical Sciences and Pharmacy, Central University of Rajasthan, Bandarsindri 305 817, Ajmer Dist., Rajasthan for two weeks from 12-25 January, 2015.
10. Participated and contributed as a **Resource Person** in the workshop on "*Development of lab manual on microscale chemistry experiments for under graduate level*" during March 23-27, 2015.
11. Participated and contributed as a **Resource Person** in the workshop on "*Development of multimedia package to improve learning outcomes of students at senior secondary level"* during December 07-11, 2015.
12. Participated and contributed as a Resource Person in the workshop on "Development of multimedia package in Hindi to improve learning outcomes of students at senior secondary level" during November 25-27, 2017.
13. Participated and contributed as a Resource Person in the workshop on "Development of multimedia package to improve learning outcomes of students at senior secondary level" during January 03-06, 2017.
14. Subject Expert in the workshop on "Development of multimedia package to improve learning outcomes of students at senior secondary level" on March 03, 2017 at RIE Ajmer.

Membership of Professional Societies

1. Life member of Chemical research society of India (Membership No. LM1772).
2. Life Member of Indian Society of Chemists & Biologist (Membership No. LF-877/18)

Research Mentorship

S.No.	Name of the Student	Program	Year/Status	Title of thesis/project
1	Dr. Kishalay Bhar	**National Post-Doctoral Fellow**	August 2017-	Engineering Fe(II) spin crossover switches: Potential candidates in molecular electronics
1	Monika Sheoran	**PhD**	2013-2018 **Completed**	Design, Synthesis and Applications of Bio-Inspired Copper and Zinc Complexes
2	Venkat Nikhil Raj	**PhD**	2013- Submitted	Synthesis, Characterization, Magnetic and Biological Studies of Fe and Co complexes with N2 (bidentate), N_3 (tridentate) and N_2O_2 (Tetradentate) Ligands
3	Surbhi Jain	**PhD**	2014-Ongoing	Bio-Affinity and Molecular Interactions of Novel Engineered Copper Complexes
4	Tanveer Alam Khan	**PhD**	2014-Ongoing	Design and Synthesis of Bio-Inspired Ruthenium Complexes
5	Monika Rana	**PhD**	2015-Ongoing	Multifunctional Chelators for Metal-Induced Neurodegenerative Disorders: Coordination Chemistry and Biological Studies
6	Surabhi Bhatt	**PhD**	2018-Ongoing	TBA

Project Staff

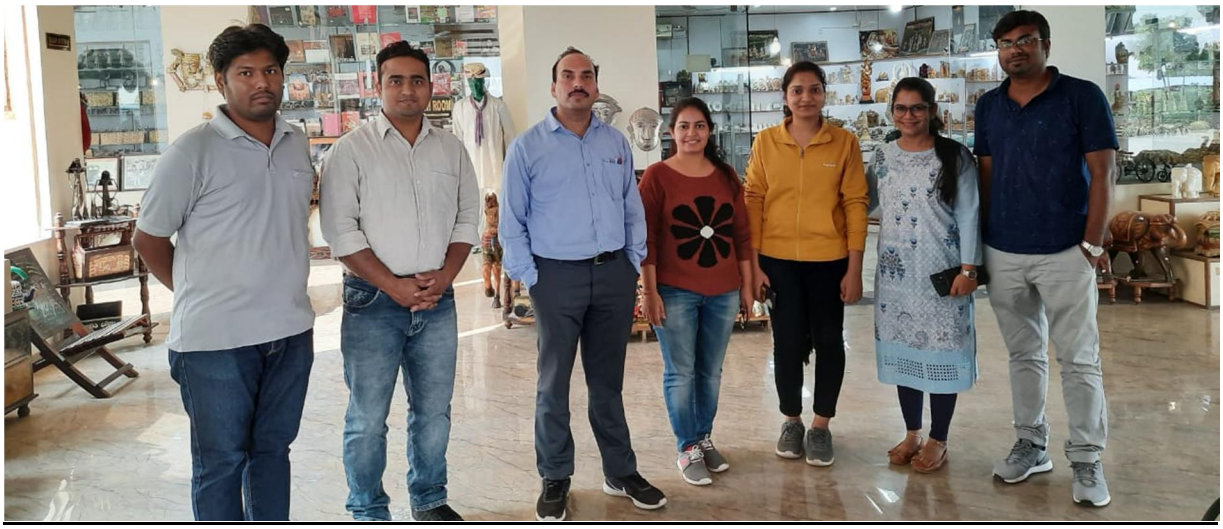
1	Vibha Kalantri	**Project Assistant in IFA-13, CH-97**	2014-2015	Smart Metal Chelators for MRI Contrast Agents
2	Manivannan Raj	**Project Assistant in IFA-13, CH-97**	January 2017-November 2018	Smart Metal Chelators for MRI Contrast Agents

M.Sc. Project Students of Dr. Anuj K. Sharma

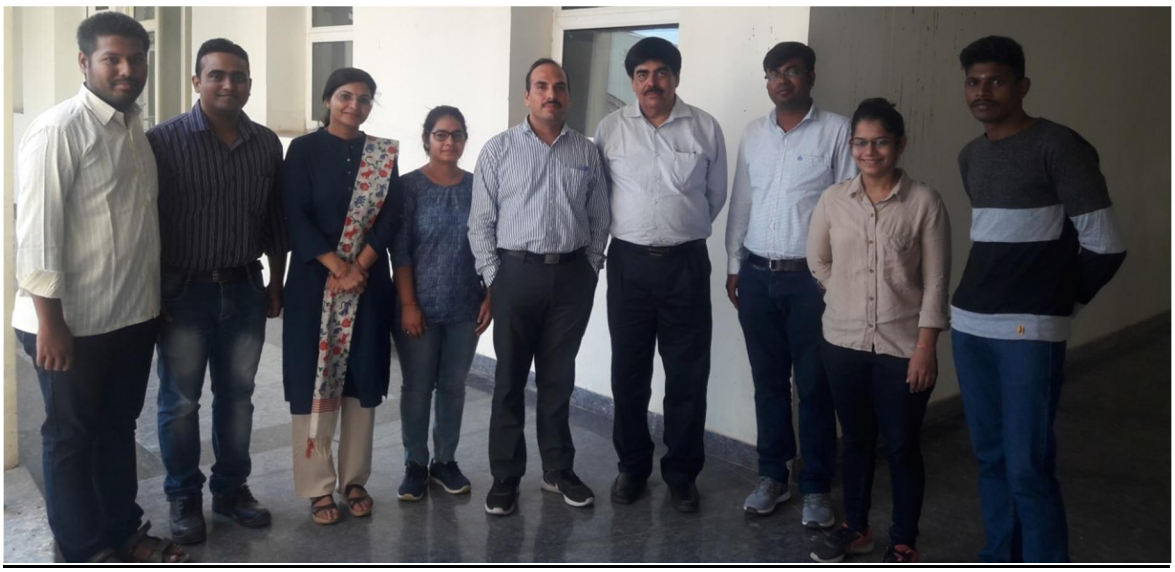
1	Mahesh K. Yadav	**M. Sc**	2015	New Multifunctional Amyloid-Binding Agent for the potential Application in neurodegenerative diseases
2	Jyoti Bhakhar	**M. Sc**	2015	Synthesis and Characterization of Multi-dentate Ligands for Lanthanide and Transition Metal Ions
3	Soochi Sandhya Kumari	**M. Sc**	2016	Synthesis and Characterization of New Tetradentate N2O2 Ligands for Preparing Polynuclear Transition Metal Complexes
4	Vinay Gaur	**M. Sc**	2016	Designing New Multifunctional Compounds For Neurodegenerative Diseases

5	Poonam Verma	**M. Sc.**	2017	Synthesis and Characterization of 1,4,7-Triazacyclononane-pyridine-carboxylate based MultidentateLigands
6	Alka	**M. Sc.**	2017	Azo-benzothiazole adducts as amyloids detecting agents: Synthesis & Characterization
7	Poonam Nehra	**M. Sc.**	2017	Synthesis and Characterization of New Multidentate Ligands for Polynuclear Transition Metal Complexes
8	Divya Deepika	**M. Sc.**	2018	Design And Synthesis Of Ruthenium Based Complexes As Potential Anticancer Candidates
9	Balkrishna Sharma	**M. Sc.**	2018	Water soluble Azo-Benzothiazole based metal chelators Designed for Alzheimer's Disease
10	Vinay Kumar	**M. Sc. B.Ed.**	2018	Design and synthesis of iron(II) and cobalt(II) complexes containing some tailored N-donor heterocycles
11	Hemant Malawat	**M. Sc. B. Ed.**	2018	Synthesis and Characterization of benzothiazole based Cu(II) and Zn(II) complexes
12	Shiwani Bhardwaj	**M. Sc.**	2019	Screening of Biological Activities of Designed Multifunctional Compounds (MFCs) For Amyloid Inhibition, AChE Activities and Antioxidant Properties
13	Shweta Singhal	**M. Sc. B.Ed.**	2019	Evaluation of quinoline based Ru complexes towards their BSA binding interactions
14	Neeraj Khinchi	**M. Sc.**	2019	Synthesis and characterization of phenoxo-bridged dinuclear zinc(II) halide complexes containing N,N,O-donor ligand

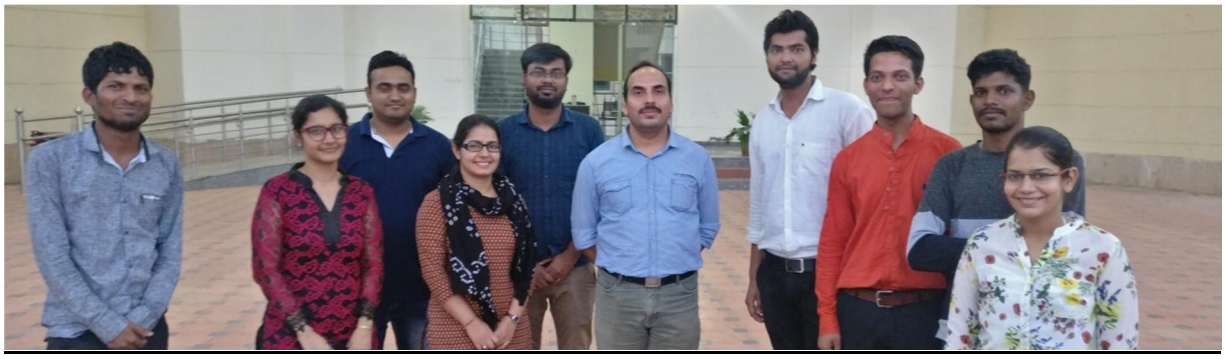
Some Research Group Pictures



Nov. 2019: Left to Right: Nikhil, Tanveer, Anuj, Monika, Surabhi, Surbhi, Kishalay



With Prof. Samaresh Bhattacharya: Left to Right: Nikhil, Tanveer, Monika S., Monika R., Anuj, Prof. Samaresh Bhattacharya, Kishalay, Surbhi, Manivannan



With Master project and PhD Students (2018): Left to Right: Balkrsihna, Divya, Tanveer, Monika, Kishalay, Anuj, Vinay, Hemant, Manivannan, Surbhi.