CURRICULUM VITAE

DR. RAMPAL PANDEY
ASSOCIATE PROFESSOR
(***The President's Inspired Teacher***)
DEPARTMENT OF CHEMISTRY, MANIT BHOPAL, INDIA,

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Date of Birth	Sept. 23, 1982
Nationality	Indian
Language Proficiency	Hindi, English
Sex	Male
Marital Status	Married

Academic and Professional details:

1. **Present Status: Associate Professor, NIT Bhopal** (March, 2024 - To date)
2. **Assistant Professor (Grade-1)**, NIT, Uttarakhand (July, 2018 – Feb. 2024).
3. **Assistant Professor (DST INSPIRE Faculty),** July 2013-June, 2018, Dr. H. S. Gour University, Sagar (MP), India.
   Work Area: Synthesis, structural and photocatalytic properties of photoactive MOFs
4. **Research Associate (DST), September 2012-June, 2013** Banaras Hindu University (BHU), Varanasi (U.P.), India.
5. **Ph.D. Chemistry** (Awarded in 2012) from BHU, India. *Supervisor:* Prof. D.S. Pandey
6. **Senior Research Fellow,** April 2010-August 2012, BHU, India
7. **Junior Research Fellow (DST),** April 2009-March 2010, BHU, India
8. **M.Sc.:** (**Inorganic Chemistry**) 2004, A.P.S. University, Rewa (M.P.), India. 1st Div.
9. **B.Sc.: Chemistry,** Phys, Geology, 2002, A.P.S. University, Rewa (M.P.), India. 1st Div.
10. **10+2:** Maths group, 1999, Govt. Boys HS School Mauganj, Rewa, (M.P.) India. 1st Div.

Additional Qualifications:

1. National Eligibility Test (NET)
2. Graduate Aptitude Test for Engineering (GATE)

Teaching Experience:

1. Teaching UG, PG & PhD (course work) at MANIT, Bhopal, March, 2024 – To Date
2. Teaching UG (B. Tech) & PhD (course work) at NIT, Uttarakhand, July, 2018 – Feb. 2024
3. Taught UG/PG level at Dr. H. S. Gour University Sagar (**05 yrs**; July, 2013-June, 2018).
4. Taught PG Level (**M. Sc**.; 2005-06) in APS University, Rewa (**01 yr**).
5. Taught as Teaching Assistant to BSc (2012-13) in BHU, India (**01 yr**).
6. Taught to BSc level students in DHSG University Sagar (Remedial Education 2016-17).

Research Experience:

1. Working as Assistant Professor of Chemistry (Grade-1) at NIT, Uttarakhand
2. Worked as DST Inspire faculty from July, 2013-June, 2018
3. Worked as Research Associate (RA) from Sept. 2012-June, 2013
4. Worked as CSIR-SRF from April, 2010-August, 2012.
5. Worked as JRF (DST project) from April, 2009 to March, 2010.
6. Pursued PhD degree from July, 2007 to January, 2012.

Additional Experience:

1. Three-month Project in Solid State Division at Bhabha Atomic Research Centre, Mumbai (June 1st, 2004 to August 27th 2004). *Project supervisor:* **Prof. A. K. Tyagi**

Research Projects: 05 (Five)

1. Inspire Faculty Project on Synthetic, Structural and Photocatalytic Aspects of MOFs
   Funding Agency: DST (89.5 Lacs); Status: Completed; Role: Sole PI (2013-2019)
2. MOOC Programme on Chemistry of d-block elements, Quantum Chemistry and Spectroscopy (sanctioned by MoE):
   Funding Agency: CEC (13.5 Lacs), Status: Completed; Role: Coordinator (2018 – 2020)
3. Seed Money Grant (Rs. 1,00,000/-) sanctioned by NIT Uttarakhand (Role: Sole PI)
   Funding Agency: NIT Uttarakhand (1.0 Lacs), Status: Completed; Role: Sole PI (2019–20)
4. Received partial grant-in-aid Rs. 100000/- from SERB-DST, under "Assistance to Professional Bodies & Seminar / Symposia Scheme to organize 4th NCRAPS-2022.
5. Seed Money Grant (Rs. 4,50,000/-) sanctioned by NIT Bhopal (Role: Sole PI).

Awards and Recognitions:

1. Letter of Appreciation by Employer (NIT UK) for successful completion of 06-year DST sponsored project-2023.
2. Letter of Appreciation by Employer (NIT UK) for successful organization of 2nd-Convocation-2021.
3. International Outstanding Scientist Award (conferred by VDGOOD professional Association)-2020
4. Letter of Appreciation for Excellent Service by Employer (NIT Uttarakhand)-2020
5. **The PRESIDENT'S INSPIRED TEACHER-**2015 (https://en.wikipedia.org/wiki/Inspired_Teacher)
6. American Chemical Society Award (3 yr membership) for significant research-**2015**
7. Best poster award in RSC-CRSI at NCL Pune, India-**2015**
8. Best poster award in IYL Conference at Dr. H.S.G. University, Sagar, India-**2015**
9. DST-INSPIRE Faculty Award-**2012**
10. Senior Research Fellowship, CSIR, New Delhi, India-**2010**
11. Best (1st) poster award at IISc, Bangalore, India-**2010**.
12. First (1st) rank in University Entrance Test for MBA-IR-**2002**

Research Supervision: 09 (Nine)

1. Awarded: **06** Ph.D (Dr. Manzoor A. Wani, Dr. Durgesh Singh, *Dr. Vaishali Singh, Dr. Himani Sharma*, *Dr. Sandeep Joshi, and* Dr. Neha Thakur).
2. Ongoing: **03** PhDs (Mr. Singhasan Prasad Yadav, Mr. Soumil Prashant Rane and Ms. Gopika Sunil)

Research Area & Highlights:

Inorganic & Organometallic Chemistry, Supramolecular Chemistry, Functional Framework Materials, Catalysis, Smart & Responsive Materials.

Experimental techniques awareness:

1. CHN Analyses, FTIR, NMR [^{1}H, ^{13}C], UV/vis, Mass, CV, PXRD, SCXRD, Fluorescence, SEM, TEM, AFM etc..
2. Operating knowledge of FTIR, UV/vis, Fluorescence, CV and SCXRD.

Student Related Activities:

1. Taught in Remedial Classes to 10+2 level students for University entrance examination.
2. Participated in Student (PhD Scholars) seminars.
3. Coordinator, Adventure Club

Full List of Research Publications:

Rampal Pandey

National Institute of Technology, Bhopal
manit.ac.in पर सत्यापित ईमेल - मुख्यपृष्ठ
Inorganic Organometallic and Supra...

अनुसरण करें

इन्होंने कहा		सभी देखें
	सभी	2020 से
उद्धरण	1805	1036
h-अनुक्रमणिका	23	18
i10-अनुक्रमणिका	48	31

Published, 070; Revision, 02; Communicated, 01: Patent Granted, 02

Accumulated Impact Factor: 305.0; H-index: 23; i^{10}: 48; Total Citation: 1810

70. Relative Assessment of Salen-Type Schiff Base and its Zn(II)-complex toward Photochromic, Thermo-chromic, Cytotoxic Properties, Fluorescent Real Sample Detection and Cellular Imaging of SO42-/CO32-, Neha Thakur, N. Garg, N. Rajak and **Rampal Pandey***, ***Analytica Chmica Acta*** **2026**, 1382, 344812 (**IF. 6.20**).
69. Advancements in the Design and Development of Organic Fluorophores for the Excited State Intramolecular Proton Transfer Phenomenon Gargi Mishra, Durgesh Singh, Surabhi Asthana, H. S. Tripathi, M.D. Pandey, **Rampal Pandey***, ***The Chemical Record*** **2026**, Accepted (**IF. 7.50**).
68. Synthetic Strategies and applications of Porous Framework Materials: Special Attention towards MOFs, Priyanka Kumari, Soumya Mukherjee and **Rampal Pandey***, ***SMC Bulletin*** **2025**, Vol. 15 (No. 2).
67. A carbazole–naphthoyl hydrazone conjugate and its Zn(II)-complex as stimuli-responsive smart materials: detection of VOCs and Cu^{2+}, AIE insights and bioimaging applications, Himani Sharma, Akansha Yadav, Akhilendra K. Maurya and **Rampal Pandey***, ***J. Mater. Chem. B***, **2025**, 13, 9903-9924 (**IF. 6.02**).
66. Exploring dual-channel ion detection and theoretical insights: Chromone-based colorimetric receptor for $Cu^{2+}$and its Zn(II)-complex as ultrasensitive fluorescent probe for Ag^{+} and Fe^{3+}, Neha Thakur, Naina Rajak, Neha Garg, Pankaj Kandwal and **Rampal Pandey***, ***Journal of Molecular Structure*** **2025**, *1321*, 139832.

64. Supramolecular Ni (II)-Selective Gel Assembly toward Construction of a Schottky Barrier Diode. Vaishali Singh, Deepak Chauhan, and **Rampal Pandey***, ***ACS Omega*** **2025**, *10*(1), 378-389 (**IF. 4.20**).

63. Carbazole-isonicotinoyl Hydrazone and Its Structurally Distinct Zinc (II) Complexes as Reversible Mechanochromic, Mechanofluorochromic, and Acidochromic Smart Materials Himani Sharma, Tarkeshwar Maddeshiya, Mrituanjay D. Pandey and **Rampal Pandey***, ***Journal of Physical Chemistry C*** **2024** 128 (42), 17990-18005 (**IF. 3.40**).
62. Ni(II)/Yb(III)-Metallogels for distinctive ultrafast fluorescent 'Turn-On' detection of m-phenylenediamine: Toward construction of multiple logic gates, Vaishali Singh, Ankur Srivastava, Mrituanjay D. Pandey and **Rampal Pandey***, ***J. Photochemistry and Photobiology A: Chemistry*** **2025,** *459*, 116003 (**IF. 4.30**).
61. Thiazole-based metalloligands and their heteroleptic MOFs: Chromogenic and fluorometric detection of tryptophan and Z-L-phenylalanine using Cu(II)-complex and Cu(II)-Zn(II) MOF, Sandeep Joshi; Surabhi Asthana; Mrituanjay D. Pandey and **Rampal Pandey***, ***Journal of Molecular Structure*** **2025** 1319, 139469 (**IF. 3.80**).
60. Unveiling Heterogeneous Catalytic Potential of Distinctly Coordinated Polymers Toward Henry and Morita-Baylis-Hillman Reactions, Sandeep Joshi, Durgesh Singh, T Rom, Avijit Kumar Paul and **Rampal Pandey***, ***ChemistrySelect*** **2024** 9 (40), e202400247 (**IF. 2.40**).
59. Chromogenic recognition of Cr(III) and Cu(II) using a novel Schiff base and "turn-on" fluorescent detection of $CO3^{2-}$ by its reduced scaffold in aqueous media, Himani Sharma; Adish Tyagi; Amey Wadawale, and **Rampal Pandey***,***Journal of Molecular Structure** **2024** 1317, 139104 (**IF. 3.80**).
58. Recent Advances in AIEgen-based Chemosensors for Small Molecule Detection, with a Focus on Ion Sensing, Surabhi Asthana, MSS Vinod Mouli, Arpna Tamrakar, Manzoor Ahmad Wani, Ashutosh Kumar Mishra, Mrituanjay D Pandey and **Rampal Pandey***, ***Analytical Methods***, **2024**, *16,* 4431-4484 (**IF. 3.10**).
57. Advancements in the Development of Fluorescent Chemosensors Based on C=N Bond Isomerization/Modulation Mechanistic Approach, Mrituanjay D Pandey, Arpna Tamrakar, Manzoor Ahmad Wani, Gargi Mishra, Ankur Srivastava, and **Rampal Pandey***, ***Analytical Methods***, **2024**, **16**, 2198-2228 (**IF. 3.10**).
56. Anticounterfeiting Feature of a Writable and Self-Erasable Ni (II)-Metallogel Pad via Fluorescent "Turn-On" Detection of Cyanide, Vaishali Singh, Ambikesh D Dwivedi, and **Rampal Pandey***, ***Langmuir***, **2024**, 40(10), 5121–5136, (**IF. 4.01**).

55. Recent Advancements in Fluoride Impact on Human Health: A Critical Review, Kamal K. Tiwari, Rashmi Raghav and **Rampal Pandey***, ***Environmental and Sustainability Indicators*, 2023**, 20, 100305 (**IF. 4.30**) ISSN: 2665-9727.
54. Development of A Thiophene-Thiophene π-Conjugate Ultrasensitive Fluorescent Probe for Heavy Metal Ions Via Discrete Signaling: DFT Studies and Mechanistic Insights, Neha Thakur, Pankaj Kandwal and **Rampal Pandey*** ***Ind. & Engineer. Chem. Res.*, 2023**, *62* (33), 12864-12879, (**IF. 4.26**) ISSN: 1520-5045.
53. Ultrasensitive fluorescent detection of nitroexplosives by dihydro-oxoisobenzofuranyl-phthalazinone engendered from Cd(II) catalyzed cyclization of azinodimethylidyne-benzoic acid, Durgesh Singh, Subhash Chandra and **Rampal Pandey***, ***New Journal of Chemistry*, 2023**, 47, 8022-8031 (**IF. 3.98**) ISSN: 1144-0546.
52. A Multi-cation Responsive Ni(II)-Supramolecular Metallogel Mimics as Molecular Keypad Lock via Reversible Fluorescence Switching, Vaishali Singh, S Kala, T Rom, AK Paul and **Rampal Pandey***, ***Dalton Transactions*, 2023**, 52, 7088-7103; ISSN: 1477-9234 (**IF. 4.56**).
51. Metal-free hydroarylation derived ferrocene-dihydrocoumarin as ultrasensitive dual-channel probe selectively for picric acid, Suman Srivastava, A Tamrakar, S Joshi, MD Pandey and **Rampal Pandey*** ***Applied Organometallic Chemistry*, 2023**, 37(4), e7028 (**IF. 4.10**), ISSN: 1099-0739.
50. Synthesis, Characterization, and Electrocatalytic Behaviour of Hydrothermally grown Nanostructured La_2O_3 and La_2O_3/K-complex, Ankur Srivastava, Gargi Mishra, Kshitij R. B. Singh, Jay Singh, **Rampal Pandey*** and Mrituanjay D. Pandey, *Luminescence* **2023**, 38(7), 1347-1357 (**IF. 2.62**), ISSN: 1522-7243, DOI: https://doi.org/10.1002/bio.4433.
49. A zinc(II) complex comprising aminoethyl-nitropyridine derived N,N,O-donor Schiff base ligand serves as an efficient On-Off probe for Cu(II), Himani Sharma, Arpna Tamrakar, Tarkeshwar Maddeshiya, Pawan Raj Shakya, Kamal Kant Tiwari, Mrituanjay D. Pandey, **Rampal Pandey***, *Luminescence* **2023**, 38(7), 1199-1205 (**IF. 2.62**), DOI: https://doi.org/10.1002/bio.4318.
48. Development of highly selective fluorescent ferrocenyl-iminopyridine chemosensor for biologically relevant Fe^{3+}, Himani Sharma, Vaishali Singh, Arpna Tamrakar, Kamlesh K.

Nigam, Mrituanjay D Pandey, K. K. Tiwari & **Rampal Pandey***, ***Luminescence*, 2023** 38(7), 1132-1138 (**IF. 2.62**).

47. Development of ferrocene-appended benzimidazopyridine and pyrroloquinoxaline probes for structure regulated distinct signalling of Fe^{3+} in aqueous media and Hela cells, Suman Srivastava, Neha Thakur, Neha Garg, & **Rampal Pandey*** ***Applied Organometallic Chemistry*, 2022**, 36 (7), e6700 (**IF. 4.10**).
46. Preparation and Characterization of Nanohybrid La_2O_3-K Complexes for Electrochemical Study, Ankur Srivastava, Jay Singh, **Rampal Pandey*** and Mrituanjay D Pandey, ***ECS Transactions*, 2022 (IF. 0.52)**, 107 (1), 15771; ISSN: 1938-6737.
45. In situ transformed three heteroleptic Co(II)-MOFs as potential electrocatalysts for the electrochemical oxygen evolution reaction, Durgesh Singh, Uday P. Azad, Krishna K. Raj and **Rampal Pandey***, ***Electrochimica Acta*, 2021**, 395, 139117 (**IF. 6.90**); ISSN No. 0013-4686.
44. Catalytic C–H Bond Activation and Knoevenagel Condensation Using Pyridine-2,3-Dicarboxylate Based Metal–Organic Frameworks, **Rampal Pandey***, Durgesh Singh, Neha Thakur and Krishna K. Raj, ***ACS Omega*, 2021**, 6, 20, 13240-13259 (**IF. 4.13**); ISSN No. 2470-1343.
43. Zinc(II), Copper(II) and Cadmium(II) complexes as fluorescent chemo-sensors for cations, **Rampal Pandey**, Ashish Kumar, Qiang Xu and Daya Shankar Pandey, ***Dalton Transactions*** (perspective) **2020**, 49, 542-568 (**IF. 4.57**).
42. Synthesis, characterization, optical and anti-bacterial properties of benzothiazole Schiff bases and their lanthanide (III) complexes, Neha Mishra, Kaushal Kumar, Himanshu Pandey, Satyesh Raj Anand, Ritu Yadav, Satya Prakash Srivastava and **Rampal Pandey**,* ***J. Saudi Chemical Society*, 2020**, 24, 925-933 ISSN: 1319-6103 (**IF. 4.71**).
41. Autocatalytic Decarboxylative Conversion of Itaconic Acid to Methacrylic Acid and Fluorescent Co(II)-MOFs for Structure Regulated Cation Detection. Neha Thakur, Mrituanjay D. Pandey and **Rampal Pandey***, ***Journal of Solid State Chemistry*, 2019**, 280, 120987; ISSN: 0022-4596 (**IF. 3.65**)].

40. Development of a fused imidazo[1,2-a]pyridine based fluorescent probe for Fe^{3+} and Hg^{2+} in aqueous media and HeLa cells. Suman Srivastava, Neha Thakur, Ashutosh Singh, Poonam Shukla, Vipin Maikhuri, Neha Garg, Ashok Prasad & **Rampal Pandey*** ***RSC Advances***, **2019**, *9*, 29856–29863 (**IF 4.03**) ISSN: 2046-2069.
39. Synthesis, characterization and antimicrobial activities of benzothiazole-imino-benzoic acid ligands and their Co(II), Ni(II), Cu(II), Zn(II) and Cd(II) complexes. Neha Mishra, Surendra Singh Gound, Rajesh Mondal, Ritu Yadav and **Rampal Pandey*, *Results in Chemistry*, 2019**, 1, 100006 (**IF** Yet to appear) ISSN No: 2211-7156.
38. Uniquely fabricated Cu(II)-metallacycle as reusable highly sensitive dual-channel and practically functional metalloreceptor for Fe^{3+} and Ca^{2+} ions: An inorganic site of cation detection. Neha Thakur, Mrituanjay Dev Pandey and **Rampal Pandey***, ***New Journal of Chemistry*, 2018**, *42*, 3582-3592 (**IF. 3.93**)], ISBN: 1144-0546.
37. A reusable multichannel anthraimidazoledione based receptor for Hg^{2+} and Cu^{2+} ions: Ultrasensitive, economical and facile detection of Hg^{2+} in real water sources through fluorescence readout. Manzoor Ahmad Wani, Neha Thakur, Mrituanjay Dev Pandey and **Rampal Pandey***, ***New Journal of Chemistry*, 2017,** 41, 10000-10009 (**IF. 3.93**)], ISSN: 1144-0546.
36. A Dual-Signaling Ferrocene-Pyrene Dyad: Triple-Mode Recognition of the Cu(II) Ions in Aqueous Medium. Manzoor Ahmad Wani, Mrituanjay D. Pandey*, **Rampal Pandey***, Sandeep Kumar Maurya and Debabrata Goswami, ***Journal of Fluorescence*, 2017**, 27, 2279-2286 (**IF. 2.53**), ISBN: 1573-4994.
35. Heteroleptic 1D coordination polymers: 5-Coordinated zinc(II) polymer as an efficient transesterification catalyst. Manzoor Ahmad Wani, Asish Kumar, Mrituanjay Dev Pandey and **Rampal Pandey*** ***Polyhedron*, 2017**, 126, 142-149 (**IF. 3.01**) ISSN: 0277-5387
34. Strong luminescence behavior of mono- and dimeric imidazoquinazolines: Swift OLED degradation under electrical current. **Rampal Pandey**, Gabor Mehes, Amit Kumar, Ashish Kumar, Chihaya Adachi, Daya Shankar Pandey, ***Journal of Luminescence*, 2017**, 181, 252-260 (**IF. 4.17**) (**Most Downloaded Article**).
33. Coumarin-Pyrene Conjugate: Synthesis, Structure and Cu-Selective Fluorescent Sensing in Mammalian Kidney Cells. Manzoor Ahmad Wani, Pankaj Kumar Singh, **Rampal Pandey***

and Mrituanjay Dev Pandey*, ***Journal of Luminescence*, 2016**, 171, 159–165 (**IF. 4.17**) ISSN: 0953-4075.

32. Synthesis and photophysical properties of tripodal pyrene derived luminescent probe. Manzoor Ahmad Wani, **Rampal Pandey*** and Mrituanjay Dev Pandey*; ***Journal of International Academy of Physical Sciences*, 2015**, 19, 145-150. (ISSN: 0974 - 9373)
31. Self-assembled copper(II) metallacycles derived from asymmetric Schiff base ligands: Efficient host for ADP/ATP in phosphate buffer, Amit Kumar, **Rampal Pandey**, Rakesh Kumar Gupta, and Daya Shankar Pandey, ***Dalton Transactions* 2015**, **44**, 17152-17165 (**IF. 4.57**)] ISSN: 1477-9234.
30. Pyridylphenyl pendant-imidazoquinazoline as a ratiometric fluorescence ‘‘*turn-on*’’ chemosensor for Hg^{2+} and Al^{3+} in aqueous media. Amit Kumar, **Rampal Pandey**, Ashish Kumar, and Daya Shankar Pandey, ***RSC Advances*, 2014**, *4,* 55967-55970 (**IF. 4.03**)]; ISSN: 2046-2069.
29. Structural and mechanistic insights on a Fe^{3+}-triggered quinazoline based molecular rotor. **Rampal Pandey**, Gábor Méhes, Amit Kumar, Rakesh Kumar Gupta, Chihaya Adachi and Daya Shankar Pandey, ***Chemical Communications* 2014,** *50*, 8032-8035 (**IF. 6.23**); ISSN: 1359-7345.
28. Novel tetranuclear copper |2+4| cubanes resulting from unprecedented C-O bond formation *cum* dearomatization, Amit Kumar, **Rampal Pandey**, Rakesh Kumar Gupta, Mrigendra Dubey and Daya Shankar Pandey, ***Dalton Transactions*, 2014,** *43*, 13169-13173, (**IF, 4.57**) ISSN: 1477-9234.
27. A Schiff Base and Its Cu(II) Complex as Highly Selective Chemodosimeter for Hg(II) Involving Preferential Hydrolysis of Aldimine Over Ester Group. Ashish Kumar, Mrigendra Dubey, **Rampal Pandey**, Rakesh Kumar Gupta, A., Kalita, Amit Kumar and Daya Shankar Pandey, ***Inorganic Chemistry* 2014,** 53, 4944−4955 (**IF. 5.43**) ISSN: 1520-510X.
26. Swift photoswitching in a binuclear Zn(II) metallacycle relative to Salen-type ligand, Amit Kumar, **Rampal Pandey**, Rakesh Kumar Gupta, Veenu Mishra, Saikh M. Mobin and Daya Shankar Pandey, ***Dalton Transactions*, 2014,** 43, 6365-6376 (**IF, 4.57**) ISSN: 1477-9234.

25. A highly selective and *femto*-molar sensitive fluorescence '*turn-on*' chemodosimeter for Hg^{2+}, Sujay Mukhopadhyay, Arnab Biswas, **Rampal Pandey**, Rakesh Kumar Gupta, Daya Shankar Pandey, ***Tetrahedron Letters***, **2014,** 55, 1437-1440 (**IF, 2.03**) ISSN: 0040-4039.
24. Structural diversity in heteroleptic dipyrrinato copper(II) complexes, Rakesh Kumar Gupta, **Rampal Pandey**, Amit Kumar, K.V. Ramanujachary, Samuel E Lofland, Daya Shankar Pandey, ***Inorganica Chimica Acta***, **2014,** 409, Part B, 518-527 (**IF 3.12**) ISSN: 0020-1693.
23. DNA binding and anti-cancer activity of redox-active heteroleptic pino-stool Ru(II), Rh(II) and Ir(III) complexes containing 4-(2-methoxypyridyl)-phenyl dipyrromethene, Rakesh Kumar Gupta, **Rampal Pandey**, Gunjan Sharma, Ritika Prasad, Biplob Koch, Saripella Srikrishna, Pi-zou Li, Qiang Xu and Daya Shankar Pandey, ***Inorganic Chemistry*** **2013,** 52 (7), 3687-3698 (**IF: 5.43**) ISSN: 1520-510X.
22. Synthesis, characterization and photochemical properties of some ruthenium nitrosyl complexes, Amit Kumar, **Rampal Pandey**, Rakesh Kumar Gupta, Kaushik Ghosh, Daya Shankar Pandey, ***Polyhedron*****, 2013***,* 52, 837-843, (**Impact Factor 3.01**) 0277-5387.
21. Luminescent N,O-chelated chroman-BF2 complexes: structural variants of BODIPY, Roop Shikha Singh, Mahendra Yadav, Rakesh Kumar Gupta **Rampal Pandey**, Daya Shankar Pandey, ***Dalton Transaction,*** **2013,** 42(5), 1696-1707 (**IF: 4.57**) ISSN: 1477-9234.
20. Synthesis of fluorescent *meso*-glucodipyrrins and their application as probes for Cd(II) and Cu(II) ions. Arnab Biswas, **Rampal Pandey**, Divya Kushwaha, Mohammad Shahid, Vinod. K. Tiwari, Arvind Misra and Daya Shankar Pandey, ***Tetrahedron Letters*****, 2013,** 54, 4193-4197 (**IF: 2.03**) ISSN: 0040-4039.
19. Fluorescent azophenol-quinazoline dyad as multichannel reversible pH indicator in aqueous media: an innovative concept on diazo based dyads. Amit Kumar, **Rampal Pandey**, Rakesh Kumar Gupta, Daya Shankar Pandey, ***Tetrahedron Letters*****, 2013,** 54, 6164-6167 (**IF: 2.03**) ISSN: 0040-4039.
18. DNA/Protein Binding, Molecular Docking, and in Vitro Anticancer Activity of Some Thioether-Dipyrrinato Complexes. Rakesh Kumar Gupta, Gunjan Sharma, **Rampal Pandey**, Amit Kumar, Biplob Koch, Pei-Zhou Li, Qiang Xu, and Daya Shankar Pandey, ***Inorganic Chemistry*****, 2013,** 52 (24), 13984–13996 (**IF: 5.43**) ISSN: 1520-510X.

17. Synthesis and characterization of electroactive ferrocene derivatives: ferrocenyl-imidazoquinazoline as multichannel chemosensor selectively for Hg^{2+} and Pb^{2+} ions in aqueous environment, **Rampal Pandey**, Rakesh Kumar Gupta, Mohammad Shahid, Biswajit Maiti, Arvind Misra and Daya Shankar Pandey, ***Inorganic Chemistry*, 2012**, *51(1)*, 298-311 (**IF: 5.43**) ISSN: 1520-510X.
16. Photoassisted "gate-lock" fluorescence "turn-on" in a new Schiff base and coordination ability of E-Z isomers, **Rampal Pandey**, Rakesh Kumar Gupta, Pei-Zhou Li, Qiang Xu, Arvind Misra, and Daya Shankar Pandey, ***Organic Letters*, 2012**, *14 (2)*, 592-595 (**IF: 6.06**); ISSN: 1523-7052.
15. Reactions and structural studies of 4-(1H-benzimidazole-2-yl)-benzonitrile with metal nitrates, **Rampal Pandey** and Daya Shankar Pandey, ***J. Indian Chem. Soc.*** (***Invited Article*), 2012,** 89, 1123-1134 (**IF; 0.359**); ISSN: 2667-2847.
14. Fluorescent 6-aryl[1,2-c]quinazolines as selective and sensitive "on-off" chemosensor for Hg^{2+} in aqueous media, **Rampal Pandey**, Mahendra Yadav, Mohammad Shahid, Arvind Misra, Daya Shankar Pandey, ***Tetrahedron Letters* 2012**, *53*, 3550-3555 (**IF: 2.03**); ISSN: 0040-4039.
13. Synthesis of Electroactive Multinuclear Dipyrrinato Complexes and Fe(III) Assisted Formation of α-Alkoxy Substituted 5-Ferrocenyldipyrromethenes, Rakesh Kumar Gupta, **Rampal Pandey**, Sanjeev Sharma, Daya Shankar Pandey, ***Dalton Transaction*, 2012,** *41*, 8556-8566 (**IF: 4.57**); ISSN: 1477-9234. **(Top Ten Most Read Article)**.
12. Heterobimetallic complexes based on 5-ferrocenyldipyrromethene and dithiocarbamates as co-ligands: Selective redox and chromogenic probes for Hg^{2+} and Pb^{2+} ions, Rakesh Kumar Gupta, **Rampal Pandey**, Roopshikha Singh, Biswajit Maiti, Peizhou Li, Qiang Xu, Daya Shankar Pandey, ***Inorganic Chemistry* 2012,** *51*(16), 8916-8930**,** (**IF: 5.43**); ISSN: 1520-510X.
11. Fluorescent zinc(II) complex exhibiting *"*on-off-on*"* switching towards Cu^{2+} and Ag^{+} ions, **Rampal Pandey**, Prashant Kumar, Ashish Kumar Singh, Mohammad Shahid, Pei-zhou Li, Sanjay Kumar Singh, Qiang Xu, Arvind Misra and Daya Shankar Pandey, ***Inorganic Chemistry*, 2011**, *50(8)*, 3189-3197 (**IF: 5.43**); ISSN: 1520-510X.

10. Coordination polymers and monomers based on new aminocarboxylate ligands: A cadmium(II) polymer containing dimeric aqua-bridged cadmium complex governed by polymeric chain, **Rampal Pandey**, Mahendra Yadav, Prashant Kumar, Pei-Zhou Li, Sanjay Kumar Singh, Qiang Xu, Daya Shankar Pandey, ***Inorganica Chimica Acta*, 2011**, 376, 195-206 (**IF: 3.12**); ISSN: 0020-1693.
9. Ferromagnetic vs antiferromagnetic coupling in structurally analogous binuclear complexes based on salen type ligand, **Rampal Pandey**, Joan Ribas, Montserrat Corbella and Daya Shankar Pandey, ***Indian Journal of Chemistry* (*Invited Article*, *APC, Special Issue*), 2011**, 50A, 1450-1456 (**Impact Factor 0.891**); ISSN: 0975-0975.
8. Synthesis and characterization of some heteroleptic copper(II) complexes based on *meso*-substituted dipyrrins, Rakesh Kumar Gupta, Mahendra Yadav, **Rampal Pandey**, Daya Shankar Pandey, ***Journal of Chemical Sciences* (*Invited Article*), 2011**, 123(6), 819-826 (**IF: 2.15**); ISSN: 0973-7103.
7. Bio-catalysts and catalysts based on ruthenium(II) polypyridyl complexes imparting diphenyl-(2-pyridyl)-phosphine as a co-ligand, Prashant Kumar, Ashish Kumar Singh, **Rampal Pandey**, Daya Shankar Pandey, ***Journal of Organometallic Chemistry*, 2011**, 696, 3454-3464 (**IF 2.35**) 0022-328X.
6. Synthesis, characterization and reactivity of arene ruthenium compounds based on 2,2'-dipyridylamine and di-2-pyridylbenzylamine and their applications in catalytic hydrogen transfer of ketones, Prashant Kumar, Ashish Kumar Singh, **Rampal Pandey**, Peizhou Li, Sanjay Kumar Singh, Qiang Xu, Daya Shankar Pandey, ***Journal of Organometallic Chemistry*, 2010**, *695(19-20)*, 2205-2212 (**IF: 2.35**); ISSN: 0022-328X.
5. Half-sandwich ruthenium, rhodium and iridium complexes containing dipyridyl amine based ligands, Ashish Kumar Singh, Mahendra Yadav, **Rampal Pandey**, Prashant Kumar, Daya Shankar Pandey, ***Journal of Organometallic Chemistry*, 2010**, 695, 1932-1939 (**IF 2.35**) 0022-328X.
4. Synthesis and characterization of complexes imparting N-pyridyl bonded meso-pyridyl substituted dipyrromethanes, Mahendra Yadav, Ashish Kumar Singh, **Rampal Pandey**, Daya Shankar Pandey, ***Journal of Organometallic Chemistry*, 2010**, 695, 841-849 (**Impact Factor 2.35**).

3. Ruthenium(II), Rhodium(III) and Iridium(III) based effective catalysts for hydrogenation under aerobic conditions, Sanjay Kumar Singh, Santosh Kumar Dubey, **Rampal Pandey**, Lallan Mishra, Ru-Qiang Zou, Qiang Xu, Daya Shankar Pandey, **Polyhedron, 2008**, *27(13)*, 2877-2882 (**IF 3.01**). ISSN: 0277-5387.

Conference papers

2. Durgesh Singh, Neha Thakur, Krishna K. Raj and **Rampal Pandey***, Development of aminoethylpyridine based N,N,N,O-donor fluorescent probes for the detection of Fe3+ and Hg^{2+} in aqueous media, **2020**, J. Phys.: Conf. Ser. 1504 012001 (**IF 0.547**).
1. Neha Mishra, Ritu Yadav, Kaushal Kumar, Himanshu Pandey and **Rampal Pandey***, Conventional vs Microwave assisted SiO2/P2O5 catalyzed synthesis of Schiff bases, **2020**, J. Phys.: Conf. Ser. 1504 012002 (**IF 0.547**).

***Total Impact Factor of the Published/Accepted Papers:* 280.56**

Patents: 02 (Two)

1. **Granted**. Fluorescence Readout for Identification of $Hg^{2+}$by Anthraimidazoledione Based Probe in Real Water Samples, ***Indian Patent***, **2020** (Patent No. 347415; Appl. No. 201711019223).
2. **Granted**. $Co(NO_3)_2$ Autocatalyzed Decarboxylation of Itaconic Acid Leads to the Formation of Methacrylic Acid and Co(II)-MOFs: Fluorescent Co(II)-MOFs Detect Hg^{2+}, Fe^{3+} and Cu^{2+} Ions, ***Indian Patent***, **2021** (Patent. No. 355202; Appl. No. 201811018132).

Editor for the Journals and Books:

1. Section Editor-Inorganic Chemistry, Current Indian Science (Bentham Science)
2. Guest Editor-Frontiers in Chemistry
3. Editor of book "Ethanol Chemistry: Production, Modelling, Applications, and Technological Aspects". Publisher: IntechOpen, London, UK

Reviewer for the Journals:

1. Dalton Transactions [Royal Society of Chemistry (RSC), UK]
2. New Journal of Chemistry [Royal Society of Chemistry (RSC), UK]
3. RSC Advances [Royal Society of Chemistry (RSC), UK]
4. Polyhedron (Elsevier)
5. Talanta (Elsevier)
6. ChemistrySelect (Wiley Intersciences)
7. ACS Omega (American Chemical Society, USA)
8. Cleaner Chemical Engineering (Elsevier)
9. Science of the Total Environment (Elsevier)
10. Inorganica Chimica Acta (Elsevier)
11. Inorganic Chemistry Communications (Elsevier)
12. Journal of Organometallic Chemistry (Elsevier)
13. Journal of Molecular Structure (Elsevier)
14. Analytical Sciences (Japan Society)
15. Journal of Solid State Chemistry (Elsevier)
16. Zeitschrift für anorganische und allgemeine Chemie (Wiley Intersciences)
17. Journal of Photochemistry & Photobiology: Chemistry (Elsevier)
18. Journal of Alloys and Compounds (Wiley Intersciences)
19. Journal of Fluorescence (Springer)

Books/Book Chapters Written:

1. **Rampal Pandey** and Israel Pala-Rosas, Ethanol and Glycerol Chemistry - Production, Modelling, Applications, and Technological Aspects, IntechOpen, **2023**.
2. **Rampal Pandey** and Neha Thakur, Nonstoichiometric cobalt-based metal oxides (hexagonal layered structures, non-stoichiometric oxides, $Ca_3Co_4O_9$, $CaCo_4O_9$, $NaxCoO_2$, NaxCo2O4, etc.), Metal Oxide-based Thermoelectric Materials, Elsevier, **2023** (Accepted).
3. "Stereochemistry, Metal-Ligand Equilibria in Solution and Reaction Mechanisms of Transition Metal Complexes" invited by MHRD-UGC e-pathshala programme. http://epgp.inflibnet.ac.in/ahl.php?csrno=5

e-content development:

1. **Developed e-texts of nine (09) modules in MHRD-UGC e-pathshala programme** (redox reaction, electron transfer reactions, mechanism of one electron transfer reactions, outer sphere type reactions, cross reactions and Marcus-Hush theory, inner sphere type reactions, substitution reaction in square planer complexes, the Trans effect).

Link: http://epgp.inflibnet.ac.in/ahl.php?csrno=5

2. Developed eleven (11) e-modules in MHRD-UGC e-pathashala programme (Determination of Stability constant by Conditional Constant, Determination of Stability constant by Polarographic Method, Determination of Stability constant by Solvent Extraction Method, Determination of Stability constant by Complexometric Titration Method, Determination of Stability constant by Potentiometric Titrations-1, Determination of Stability constant by Potentiometric Titrations-2, Determination of Stability constant by Job's Method, Determination of Stability constant by Bjerrum's Method, Determination of Stability constant by Curve Fitting Method and Elimination Method.

Link: http://epgp.inflibnet.ac.in/ahl.php?csrno=5

3. **Developed and delivered e-videos of nine (09) modules** in MHRD-UGC e-pathshala programme (***abovementioned modules***).

Links for videos:

1. https://youtu.be/9nDUfojnjNk
2. https://youtu.be/YKlQQodPXMo
3. https://youtu.be/1WCpvT7wLso
4. https://youtu.be/unEw27Cyb0M
5. https://youtu.be/lbmmuFnIwaA
6. https://youtu.be/4MoDMoWyknY
7. https://youtu.be/m-LzT0YSUGY
8. https://youtu.be/Qo7RV1wZlYs
9. https://youtu.be/Uby2xVWjoAo

Coordinator MHRD MOOCs:

A MOOC online course entitled **d–Block Elements, Quantum Chemistry and Spectroscopy** has been approved by MHRD, April, 2018.

1. Served as one of the coordinators for successful preparation and conduction of MOOC Programme for UG course (first run has successfully completed with ~2000 students).

2. Developed seven (07) e-modules:

Module 34: Color & constitution, chromophores, auxochromes, Red & blue shifts
Module 35: Electronic Spectroscopy
Module 36: Free electron model and its application to electronic spectra of polyenes
Module 37: Photochemistry
Module 38: Quantum efficiency and reason for high and low quantum yields
Module 39: Primary and Secondary processes in photochemical reactions
Module 40: Photochemical and Thermal reactions

Conferences/meetings organized:

1. 4th-National Conference on Physical Sciences (NCRAPS) at NIT Uttarakhand (*virtual mode*), Dec. 19-20, 2022 (**As Organizing secretary**).
2. 3rd-National Conference on Physical Sciences (NCRAPS) at NIT Uttarakhand (*virtual mode*), Dec. 19-20, 2021 (**As Organizing secretary**).

3. 2nd-National Conference on Physical Sciences (NCRAPS) at NIT Uttarakhand (*virtual mode*), Dec. 19-20, 2020 (**As Convener**).
4. One week workshop on "Smart Materials: Concept, Design and Applications" NIT Uttarakhand, Sept., 07-13, 2020 (**As Chairman/Convener**).
5. Short-Term Training course (STC) on Stress Management for entire Faculty & Staff Members of NIT Uttarakhand, Sept., 14-18, 2020 (**As Coordinator**).
6. One week workshop on "Density Functional Theory and its Applications using GAUSSIAN Software" was jointly organized by Deptt. of Chemistry, NIT Uttarakhand, Deptt. of Chemistry, MNIT Jaipur and Deptt. of Chemistry, SLIET Longowal from 24th-28th Feb. 2020 (**As Coordinator**).
7. National Conference on Physical Sciences (NCRAPS) at NIT Uttarakhand (Satellite campus), Dec. 19-20, 2019 (**As Organizing Secretary**).
8. Five (05) day national workshop on "Intellectual Property Rights" (IPR) at NIT Uttarakhand (Satellite campus), May 11-15, 2019. (**As Coordinator**).
9. National Seminar on Educating, Skilling and Digitalizing Issues for National Education Policy. 29-30, March, 2017. (**As Joint Secretary**).
8. National Science Day Symposium during Feb. 26/02/2016 to 04/03/2016 (**As Treasurer**).
9. National symposium on "Horizons of Light in Molecules, Materials and Daily Life (HLMMD) on the occasion of International Year of Light (IYL-2015) on Dec, 18-19, 2015 at Dr. H. S. Gour University, Sagar, India. **(As Co-Convener)**
10. National seminar on the occasion of "*National Science Day*" at Dr. H. S. Gour University, Sagar, India. (**As member**)

Conferences/meetings attended:

AS A RESOURCE PERSON:

1. Chaired the session in the 1st International conference on Recent Trends in Chemical Science and Sustainable Energy (**RTCSSE-2023**)" at NIT Delhi during March 24-25, 2023.
2. Chaired the session in the 4th National Conference on Recent Advancement in Physical Science (**NCRAPS-2022**), December 19-20, 2022 jointly organized by Department of

Chemistry, Department of Physics and Department of Mathematics, National Institute of Technology Uttarakhand.

3. Delivered lecture in the orientation programme of school students at Kendriya Vidyalaya Srinagar (Garhwal) on Dec. 08-09, 2022.

4. Chaired the session in the 3rd National Conference on Recent Advancement in Physical Science (**NCRAPS-2021**), December 19-20, 2021 jointly organized by Department of Chemistry, Department of Physics and Department of Mathematics, National Institute of Technology Uttarakhand.

5. Delivered lecture on "Metal Complex Sensitized Photocatalytic H2 Production and CO2 Reduction on MOF Scaffolds" at **Refresher Course-Chemistry-biology & material sciences Interfaces**, in the HRDC Centre Sagar Vishwavidyalaya on Nov. 13, 2021.

6. Chaired the session in the 2nd National Conference on Recent Advancement in Physical Science (**NCRAPS-2020**), December 19-20, 2020 jointly organized by Department of Chemistry, Department of Physics and Department of Mathematics, National Institute of Technology Uttarakhand.

7. National symposium on **Quantum Dots as Drug Delivery: Opportunities and Challenges**" at Adina Institute of Pharmaceutical Sciences, Sagar, March., 04, 2017.

8. Delivered two invited online lectures for MSc 4th Semester students, June, 13 & 17, 2020. Subject: Photoinorganic Chemistry.

INVITED LECTURES:

1. Delivered invited lecture on "***NMR Spectroscopy***" at skill Development Program on Sophisticated Research Instruments)" under DST-STUTI programme at HNBGU, Srinagar (Garhwal) during May 12-18, 2023.

2. Delivered lecture on "***Stimuli Responsive Low Molecular Weight Fluorescent Supramolecular Metallogels***" at 1st International conference on Recent Trends in Chemical Science and Sustainable Energy (RTCSSE-2023)" at NIT Delhi during March 24-25, 2023.

3. Delivered lecture on "***Food Adulteration***" at Govt. Arts and Commerce College Sagar on Dec. 12, 2022.

4. Delivered lecture on "***Green Chemistry and Technology***" at Govt. Arts and Commerce College Sagar on March 24, 2022.

5. Recent Advances in Chemical Science at **27th International Conference of International Academy of Physical Sciences (CONIAPS XXVII)** jointly organized by BHU-JNU during Oct. 26-28, 2021 (Title: *Utility of Metal-Organic Frameworks in Catalysis, Electrocatalysis and Molecular Detection*).

6. International Online Webinar on Recent Innovations in Chemical Sciences at AKS University Satna, July, 18-20, 2020.

7. Light Induced Molecular Dynamics and Fluorescence Readout, **DU-JAIST Indo-Japan Symposium on Chemistry of Functional Molecules/Materials**" at University of Delhi, Delhi, Feb., 26-27, 2016.

8. Molecular rotors through Optical Signalling and nano-approach towards metal dipyrrinato complexes, **National conference on "Developmental Challenges of Carbon Nanotubes as a Vaccine Delivery**" at Adina Institute of Pharmaceutical Sciences, Sagar, Sept., 19, 2015.

9. Molecular dynamics and molecular rotors, Special Invitation by **Birla Institute of Technology (BITS), Goa** on Sept, 28, 2015.

10. Optics of Fluxional Molecules, **Science Day Celebration** held at Dr. Harisingh Gour Vishwavidyalaya (A central University), Sagar on Feb, 28, 2016 (duration 26/02/16-04/03/16).

11. Delivered nine (**09**) lectures for e-videos development in MHRD-UGC e-pathshala programme.

LECTURES:

1. Structural, Optical and Catalytic Properties of 'N-N'/'N-O' Donor Ligands, Their Complexes and MOFs, April 18th, 2013, **IISER Mohali**. http://www.iisermohali.ac.in/events-archive/events/colloquia-and-seminars-2013

2. Copper |2+4| Cubanes Resulting from Unprecedented C-O Bond Formation: Turn-on Fluorescent Probe for H_2O_2 and NO

   National Symposium on Chemistry and Environment, held at Banaras Hindu University, Varanasi, India, on March, 15-16, 2013

3. Synthesis of fluorescent chiral 6-aryl[1,2-c]-quinazolines serve as selective and sensitive "on-off" chemosensors for Hg^{2+} in aqueous media, **National Seminar on new Horizons of**

Chemical Sciences held at Department of Chemistry, Awadhesh Pratap Singh University, Rewa, India on October, 22-23, **2011**.

4. Fluorescent coordination polymer governs the co-crystallization of aqua-bridged dimeric Cd^{2+} complex- a rare example

National Seminar on recent Trends in Chemical sciences held at Department of Chemistry, Awadhesh Pratap Singh University, Rewa, India May 12th-13th, **2010**.

POSTER PRESENTATION:

1. Disulfide Co-crystal Mediated Fabrication of Cu(II)-Metallacycle for Reusable Dual-channel Metalloreceptor for Ca^{2+} and Fe^{3+} ions, **MTIC XVII, Dec. 11-14, 2017,** NCl-IISER, Pune.
2. 1D coordination polymers exhibiting rational coordination of carboxylate over strong N,N,N-chelating linker. **10th-RSC-18th CRSI Symposium in Chemistry** held at Punjab University Chandigarh during Feb, 04-07, 2016.
3. 16th International Symposium on Modern Trends in Inorganic Chemistry (**MTIC**), 3rd Dec.,- 5th Dec., 2015, Jadhavpur University, Kolkata
4. Development of new mechanisms for chemosensing

9th-RSC-17th CRSI Symposium in Chemistry held at NCL Pune, India, on Feb., 03- Feb. 06, 2015 (***Awarded best poster***)

5. Structural and mechanistic insights into Fe3+ induced conformational changes in imidazo-quinazolines. **International Conference** (**SCOMM-2014**) held at IISER Kolkata, India, on Nov., 30- Dec. 02, 2014.
6. Copper |2+4| cubanes as selective '*turn-on*' fluorescent for ROS,

7th-RSC-15th CRSI National Symposium in Chemistry held at Banaras Hindu University, Varanasi, India, on January, 31- Feb. 03, 2013

Participated as volunteer in 7th RSC-15th NSC CRSI-2013 conference

7. Synthesis of electroactive ferrocene derivatives: ferrocenyl-imidazoquinazoline as multichannel chemosensor selectively for Hg^{2+}/Pb^{2+} ions in aqueous environment

6th-RSC-14th CRSI National Symposium in Chemistry, 2012, held at NIIST, Trivandrum, Kerala, India.

8. Homoleptic and heteroleptic complexes of 5-ferrocenyl dipyrromethene

National Symposium on Emerging Trends in Chemical Sciences (ETCS), 2011, held at Department of Chemistry, Banaras Hindu University, Varanasi, India.

9. First examples of chiroptically enhanced fluorescent 6-aryldihydrobenzimidazo quinazolines: Selective Hg^{2+} ion sensing

5th-RSC -13th CRSI National Symposium in Chemistry, 2011 held at National Institute of Science and Educational Research, Bhubaneswar, Orissa, India.

10. Fluorescent Dimeric Zinc complex exhibiting 'turn-off'/'turn-on' signaling in presence of Cu^{2+}/Ag^{+} ions

National Symposium on Frontiers in Main-Group and Organometallic Chemistry (NSFMOC), 2010 held at Indian Institute of Science, Bangalore, India.

11. Molecular ladders of 4-(1H-benzimidazole 2-yl)benzonitrile (4-CN-BIBH): Solvent co-crystallization and its anomalous behaviour towards metal nitrates

4th Mid-Year CRSI National symposium in Chemistry, 2009 held at Shri Govindram Seksaria Institute of Techmology and Science, Indore, India.

PARTICIPATION:

1. **3rd Asian Conference on Coordination Chemistry,** October, 17-20, **2011** held in India Habitat Centre, Delhi, India.
2. **International Conference on Chemistry: Frontiers and Challenges,** March, 05-06, **2011** held in the Department of Chemistry, Aligarh Muslim University, Aligarh, India.
3. **National Symposium-cum-Workshop on X-Ray Crystallography**, **2010** held at Department of Chemistry, Banaras Hindu University, Varanasi, India.
4. **5th-RSC-12th CRSI National Symposium in Chemistry (NSC-12)**, February 04-07, **2010** held at IICT, Hyderabad, India.
5. **12th Intenational Symposium on Inorganic Ring Systems (IRIS-12),** August, 16-21, **2009** held at Holiday Inn Resort, Goa, India.

Membership and Extra curriculum:

1. Seven (07) year member of American Chemical Society (ACS), USA (No. 30728997)
2. Annual member of Royal Society of Chemistry (RSC), UK (No. 574194)
3. Life member of Chemical Research Society of India (CRSI) (No. LM 1051).
4. Life member of Society of Material Chemistry of India (SMC-INDIA) (No. LM-647).
5. Life member of Solar Energy Society of India (SESI) (ID No. 4685).
6. Life member of Indian Society of Chemists & Biologists (ISCB) (LF 1153/2022).

Faculty Development Courses:

1. Atal Sponsored FDP on "Productivity Enhancement (Through Yoga and Meditation) during 14-18 November 2022 at NIT Uttarakhand.
2. Effective Teaching, Learning and Innovation during 13-15 December 2022 at NIT Uttarakhand.
3. Capacity Building for Productivity Enhancement during 31st May- 04th June 2022 at NIT Uttarakhand.
4. Orientation course programme for 28 days (18/05/2015-14/06/2015) at Dr. Harisingh Gour Vishwavidyalaya Sagar.

Administrative Responsibilities:

1. Head, Department of Chemistry, NIT Uttarakhand (March, 22-Feb 2024)
2. Associate Dean (Faculty Welfare), NIT Uttarakhand, June, 2020-Feb. 2022.
3. Faculty I/c (Legal Cell), 14 September 2022-Feb 2024
4. Coordinator (HoD), Department of Chemistry (June, 2019-May, 2020)
5. Warden (Hostel), NIT Uttarakhand (January, 2019-May, 2020)
6. Coordinator (Student grievances and Redressal Cell), NIT UK (June, 2019- June 2020)
7. Assistant Registrar (Legal and grievances), NIT UK (June, 2019- To date)
8. Coordinator Community Development Initiative, NIT UK (July, 2018- June, 2019)
9. Coordinator (R&C activities), Dept. of Chemistry, NIT UK (June, 2019- To date)
10. Coordinator (TR Verification Committee), Dept. of Chem., NIT UK (June, 2019-To date)
11. In-Charge (Dept.) Cleanliness & Sanitation, NIT UK (July, 2019- To date)
12. Coordinator (NBA), Dept. of Sciences & Humanities, NIT UK (July, 2018- June, 2019)

13. Coordinator (Time-Table), Dept. of Chemistry, NIT UK (July, 2018- June, 2019)
14. Assistant Registrar (accounts), NIT UK (Feb., 2019- June, 2019)
15. Chairman, Proof Reading (NIT Act & Statutes), NIT-Uttarakhand (Aug., 2018- To date)
16. Nodal Officer, Voter Awareness, NIT Uttarakhand (Aug., 2018- April, 2019)
17. In-charge of Single Crystal X-ray spectrometer, DHSGSU, Sagar (Feb - June, 2018)
18. Member of Editorial Board of University News Letter, DHSGSU, Sagar.
19. Member of Departmental Research Presentation Committee, DHSGSU, Sagar.
20. Teacher In-charge of both Theory (PG) and Practical (PG+UG) Classes DHSGSU, Sagar.
21. Sector Magistrate (Legislative Elections-2013, and Parliamentary Elections-2019, 2014) in Sagar (M. P.) and Paudi (Uttrakhand).

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SCOPUS ID: 7401527524

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References:

1. **Prof. D.S. Pandey**, (Ph.D. Thesis Supervisor), Department of Chemistry, Faculty of Science, Banaras Hindu University, Varanasi-221005, INDIA

E-mail: dspbhu@bhu.ac.in; dsprewa@yahoo.com , *Tel*: +91-542-2307321, +91-9450960400

2. **Prof. S. Chandrasekaran**

SERB Distinguished Fellow, Department of Organic Chemistry, Indian Institute of Science Bangalore 560 012, Email: scn@orgchem.iisc.ernet ; Mob: +91 98860 88344

3. **Prof. A.K. Tyagi**, (Project Supervisor), Solid State Chemistry, Chemistry Division, Bhabha Atomic Research Centre, Mumbai- 400 085, INDIA; Phone: 02225595330; *E-mail*: aktyagi@barc.gov.in

4. **Prof. P. K. Bharadwaj** (Thesis Expert), Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur-208016, Phone-05122597034; *E-mail*: pkb@iitk.ac.in

Referees from Abroad:

1. Prof. Roland Fischer, Ruhr-Universität Bochum, NC 2 Universitätsstr. 150 44801 Bochum, E-mail: roland.fischer@rub.de

2. Prof. Chihaya Adachi, Center for Organic Photonics and Electronics Research (*OPERA*), Kyushu University. Fax: +34 964 72 8214; E-mail: adachi@cstf.kyushu-u.ac.jp adachi@opera.kyushu-u.ac.jp

Rampal Pandey