




Faculty Details proforma for DU Web-site

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cc: director@ducc.du.ac.in)

Title	Dr.	First Name	Dhanraj T.	Last Name	Masram	Photograph
Designation	Assistant Professor					
Address	Department of Chemistry University of Delhi, Delhi-110007					
Phone No Office	+91-11-27666646					
Residence	-					
Mobile	09958552279					
Email	dhanraj_masram27@rediffmail.com; dtmasram@chemistry.du.ac.in					
Web-Page	-					
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	R.T.M. Nagpur University, Nagpur				2008	
PG	Nagpur University, Nagpur				2003	
UG	Nagpur University, Nagpur				2000	
Career Profile						
April 2009-till date	Assistant Professor , Department of Chemistry University of Delhi.					
Dec.2004- March 2009	Lecturer, Department of Chemistry, R.T.M. Nagpur University Nagpur.					
May 2010-July2010	Researcher, School of Material Science, Japan Advanced Institute of Science &Technology, Japan.					
Administrative Assignments						
<ul style="list-style-type: none"> • Member of the Board of Research Studies (Sciences), University of Delhi for the year April 2019- March 2021. • Member of Admission Committee for the Ph.D. Degree in the Department of Chemistry, University of Delhi for the academic session held on 12th March 2019. • Member of Grievance Committee for purposes of admission to UG/PG/M.Phil/Ph.D. for the year 2019-2020 • Deputy Coordinator, Centralized evaluation center for MSc Part I & II Semester I&III, December 2018. • Resident tutor, P.G. Men's Hostel, University of Delhi w.e.f. 01/02/2018 to 31/01/2020. • Member of Grievance Committee for purposes of admission to UG/PG/M.Phil/Ph.D. for the year 2018-2019 • Member of Committee for preparation of IQAC and NIRF data for NAAC committee visit 2018. • Member of Admission Committee for the Ph.D. Degree in the Department of Chemistry, University of Delhi for the academic session held on 11th and 12th October 2018. • Member of Admission Committee for the Ph.D. Degree in the Department of Chemistry, University of Delhi for the academic session held on 14th March 2018. • Member of committee to finalize the technical specifications for the purchase of instruments for the department under non-recurring grant for 2017-2018. • Deputy Superintendent for M.Sc. Part I & II Semester II&IV Theory Examinations 2017(Summer) • Deputy Superintendent Centralized evaluation center for MSc Part I & II Semester I&III 2016 (Winter) 						

- Member of Anti-ragging Committee for the academic session 2016-2017.
- Member of Admission Committee as observer to SC/ST/OBC/PH student in the hostel VKRV Rao for the academic session 2016-2017.
- Member of Admission Committee as observer to SC/ST/OBC/PH student for the Ph.D. Degree in the Department of Chemistry, University of Delhi for the academic session 2016-2017.
- Member of Ad-hoc Selection Committee as observer to SC/ST/OBC/PH student for teaching in the Department of Chemistry, University of Delhi for the academic session 2016-2017.
- Observer in visiting team for the examinations of three years degree course, CBCS & FYUP of University of Delhi. May/June 2016.
- Jury Member DST Inspire October 6-8, 2014, December 6-7, 2015 & December 10-11, 2016
- Member of the committee to interview for the Kishore Vaidyanik Pratsahan Yojana Programme (KVPY fellowship), Department of Science and Technology, Indian Institute of Science, Bangalore, Government of India. 2013, 2014, 2015, Feb 2017.
- Member (Subject Expert) in the Selection committee for Non Teaching Staff, Staff Selection committee National Institute of Technology, Srinagar, Uttarakhand held on May 24th, 2013.
- Convener Inorganic Chemistry for the academic year 2014-2015.
- Convener Inorganic Chemistry for the academic year 2013-2014.
- Member of Department Research Committee, Department of Chemistry, University of Delhi. 2012-2014
- Member (Subject Expert) in the internal assessment committee for JRF Centre for Fire, Explosive & Environmental safety Defense Research & Development Organization (DRDO), Ministry of Defense held on January 22th, 2013, January 16th, 2014 & January 27th, 2016
- Member of Instrumentation Committee (TGA/DTA instruments): 2015-2016
- Member of Instrumentation Committee (60 MHz NMR instruments): 2011-2012, 2012-2013, 2013-2014.
- Member of Committee of Courses for Under Graduate and Post Graduate including Honours Courses in Chemistry of Department of Chemistry University of Delhi. 2010-2012, 2015-17 & 2018-2020.
- In charge of Inorganic Chemistry Laboratory No.2, Department of Chemistry University of Delhi. August 2010-May 2012
- Teacher in-charge of Chemical Society of Department of Chemistry, R.T.M. Nagpur University, Nagpur, 2006-2007.
- Scrutineer and Tabulator, Rashtrasant Tukdoji Maharaj Nagpur University Nagpur.

Areas of Interest / Specialization

Graphene and other nanomaterial based Biosensors for detection of environmentally harmful molecules and DNA of various disease causing microbes.

Polymers (Synthesis of material through ATRP for polymeric light emitting diodes, organic terpolymers, conducting and chelate polymers etc and their various studies)

Environmental Studies (Synthesis of resins for water treatment and Bioremediation of decontamination of toxic metals from waste water using modified biomaterials), Nanohybrids based environmental catalysis for waste water treatment.

Heterogeneous catalysis, Coordination Chemistry, Bioinorganic Chemistry

Subjects Taught

Ph.D.: Paper XIV: Chemistry of Polymers

M.Sc. Final Theory: Solid state chemistry, Homogenous and heterogeneous catalysis, Environmental Chemistry, Inorganic Chemistry (Special-I) part B. Inorganic reaction mechanism

M.Sc. Final Practical: Instrumentation (2010-2012, 2014-2019)

M.Sc. Previous Theory: Metal carbonyls and nitrosyls, Chemistry of d-and f-block elements, Supra molecular and photo inorganic chemistry.

M.Sc. Previous Practical: 2009-2010, 2012-2014

Research Guidance

List against each head (If applicable)

- | | |
|--|------|
| 1. Supervision of awarded Doctoral Thesis | 06 |
| 2. Supervision of Doctoral Thesis, under progress | 04 |
| 3. Supervision of awarded M.Phil dissertations | 02 |
| 4. Supervision of M.Phil dissertations, under progress | None |

Publications Profile

List against each head (If applicable) (as Illustrated with examples)

1. **Research papers published in Refereed/Peer Reviewed Journals (Last Five Years)**

Anamika Debnath, F. Hussain, **Dhanraj T. Masram**, "Synthesis, Characterization and Antifungal Studies of Metalloquinolone [Cd₂(nal)₂(phen)₂(Cl)₂]" *Complex Metals*, Taylor & Francis, **2014**, 10.1080 / 2164232 X.2014.889581. 1:1, 96-102, 2014.

Navin Mogha, Vikrant Sahu, Minakshi Sharma, Raj Kishor Sharma, **Dhanraj T. Masram**, "Sensitive and Reliable Ascorbic Acid Sensing by Lanthanum oxide/Reduced Graphene oxide nanocomposite" *Applied Biochemistry and Biotechnology Springer*, 174, 3, 1010-1020, 2014.

Anamika Debnath, F. Hussain, **Dhanraj T. Masram**, "Synthesis, Characterization and Antifungal Studies of Cr(III) complex of Norfloxacin and Bipiridyl Ligand", *Bioinorganic Chemistry and Applications*, 3,1-7, 2014.

Navin Mogha, Satyamev Zha, **Dhanraj T. Masram**, "Synthesis of Polymeric Brushes from Graphene Oxide via Surface Initiated ATRP for the Detection of the Dinitrotoulene" *Adv. Sci. Lett.* 20, 1420-1424, 2014.

Anamika Debnath, Navin Mogha, **Dhanraj T. Masram** "Metal complex of the first-generation quinolone antimicrobial drug Nalidixic acid: Structure and its biological evaluation" *Applied Biochemistry and Biotechnology* (1450), Springer 175, 5, 2659-2667, 2014

Pritee Goyal, **Dhanraj T. Masram**, Novel biomaterial for decontamination of toxic metals from waste water, *Sky Journal of Soil Science and Environmental Management*, 4,1, 010 - 015, 2015.

D. S. Shankar, B. Shankar, P. Rajakannu, P. Vishnoi, **Dhanraj T Masram**, M. Sathiyendiran, "Steric group enforced aromatic cyclic trimer conformer in tripodal molecules" *RSC Advances* 08/2015.

Pritee Goyal, **Dhanraj T. Masram**, "Azadirachta indica nano biomaterial: A green economical biomaterial for removal of Cd (II) and Ni (II) from waste water" DOI: 10.1016/j.matpr.2016.04.030 *materials today: proceedings*, 3, 1470-1476, 2016.

N. Mogha, S. Kirti, **Dhanraj T. Masram**, "La₂O₃/Reduced Graphene Oxide Nanocomposite: A Highly Efficient, Reusable Heterogeneous Catalyst for the Synthesis of Biologically Important Bis(indolyl)methanes Under Solvent Free Conditions", *Journal of Nanoscience and Nanotechnology*, 16, 1-7, 1533-4880, 2016.

N. Mogha, V. Sahu, M. Sharma, R. K. Sharma, **Dhanraj T. Masram**, “Biocompatible ZrO₂-reduced graphene oxide immobilized AChE biosensor for chlorpyrifos detection”, *Journal of Materials & Design*, Elsevier, 111, 5, 312-320, 2016.

N. Mogha, **Dhanraj T. Masram**, “Gold nanoworms immobilized graphene oxide polymer brush nanohybrid for catalytic degradation studies of organic dyes”, *Applied Surface Science*, Elsevier, 396, 1427-1434, 2017.

S. Kirti, Navin Mogha, **Dhanraj T. Masram**, “La₂O₃/Reduced Graphene Oxide Nanocomposite: A Highly Efficient, Reusable Heterogeneous Catalyst for the Synthesis of Biologically Important Bis(indolyl)methanes Under Solvent Free Conditions”, *Journal of Nanoscience and Nanotechnology*, 17, 4, 2508-2514(7), 2017.

D. S. Shankar, K. K. Chakka, B. Shankar, M. Sathiyendiran, **Dhanraj T. Masram**, “Perfect symmetrical cyclic aromatic trimer motif in tripodal molecule”, *RSC Advances*, 7, 17297-17300, 2017.

D. Painuly, **Dhanraj T. Masram**, M. E. Rabanal, I.M. Nagpure, “The effect of ethanol on structural, morphological and optical properties of Li(I) 8-hydroxy quinoline phosphor” *Journal of Luminescence*, 192, 1180-1190, 2017.

N. Mogha, S. Gosain, **Dhanraj T. Masram**, “Lanthanum oxide nanoparticles immobilized reduced graphene oxide polymer brush nanohybrid for environmental vitiation of organic dyes”, *Arabian Journal of Chemistry*, Elsevier, 2017.

D Painuly, NK Mogha, R Singhal, P Kandwal, **Dhanraj T. Masram**, M.E. Rabanal, I.M. Nagpure, “The modification in the photo-physical properties via transformation of synthetic dihydrated Znq 2 to anhydrous (Znq 2) 4 tetramer by sublimation process” *Optical Materials*, Elsevier 82, 175-189, 2018.

D Painuly, NK Mogha, **Dhanraj T. Masram**, R Singhal, RS Gedam, IM Nagpure, “Phase stability and transformation of the α to ϵ -phase of Alq 3 phosphor after thermal treatment and their photo-physical properties” *Journal of Physics and Chemistry of Solids*, Elsevier, 121, 396-408, 2018.

N. Mogha, V. Sahu, R. K. Sharma, **Dhanraj T. Masram**, “Reduced graphene oxide nanoribbon immobilized Gold nanoparticles based electrochemical DNA biosensor for detection of *Mycobacterium tuberculosis*”, *Journal of Materials Chemistry B*, 6, 5181, 2018.

Subodh, NK Mogha, K Chaudhary, G Kumar, **Dhanraj T. Masram**, “Fur-Imine-Functionalized Graphene Oxide-Immobilized Copper Oxide Nanoparticle Catalyst for the Synthesis of Xanthene Derivatives”, *ACS Omega* 3 (11), 16377-16385, 2018.

Manish Kumar, **Dhanraj T. Masram**, “Evaluation of DNA, BSA, and HSA binding propensity of copper (II) complex with N-donor ligand 2, 2'-dipyridylamine”, *Polyhedron* 157, 511-520, 2019.

Manish Kumar, Gyanendra Kumar, Navin Kumar Mogha, Ritu Jain, Firasat Hussain, **Dhanraj T Masram**, “Structure, DNA/proteins binding, docking and cytotoxicity studies of copper (II) complexes with the first quinolone drug nalidixic acid and 2, 2'-dipyridylamine” *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, vol.212, 94-104, 2019.

K. K. Chakka, D. S. Shankar, **Dhanraj T. Masram**, K. V. Jovan Jose, M. Sathiyendiran, “Experimental and theoretical investigation of intramolecular cooperativity in cyclic benzene trimer motif”, *RSC Advances*, 9, 753-760, 2019.

M. Kumar, N. Kumar Mogha, G. Kumar, F. Hussain, **Dhanraj T Masram** , Biological evaluation of copper (II) complex with nalidixic acid and 2, 2'-bipyridine (bpy), *Inorganica Chimica Acta*, 490, 144-154,2019.

2. *Research papers published in Refereed/Peer Reviewed Conferences*

Dhanraj T. Masram, K.P. Kariya and N.S. Bhave, "Synthesis of Salicylic acid Butylenediamine-Formaldehyde Resin and Its Ion Exchange Properties", *DAE-BRNS International Symposium on Materials Chemistry, December 4th – 8th*, 2006. J-04, 529-533

Dhanraj T. Masram, K.P. Kariya and N.S. Bhave, "Thermal Degradation Study of Terpolymer Resin derived from Salicylic acid –Ethylenediamine- Formaldehyde", *Thermans 2008 DAE-BRNS 6th National Symposium & workshop on Thermal Analysis, February 4th -8th*, 2008, 329-331.

Dhanraj T. Masram, K.P. Kariya and N.S. Bhave "Electrical Conductivity Study of Resin Synthesized From Salicylic acid, Ethylenediamine and Formaldehyde", *3rd DAE-BRNS International Symposium on Materials Chemistry (ISMC-12010), December 7th – 11th*, 2010.

Dhanraj T. Masram, K.P. Kariya and N.S. Bhave "Synthesis and Characterization of Resins and its role as Arsenic Remover from Water", *8th AIPTC, Kolkata, 11th & 12th Feb., 2011*.

Dhanraj T. Masram, K.P. Kariya and N.S. Bhave, "A Novel Eco-Friendly Polymer its characterization and application," National seminar on Recent Developments in Eco Friendly Materials, At Hislop Collage ,RTM Nagpur University, Volume: 6 (1),135-147

3. *Book Chapters papers published*

Dhanraj T. Masram, "Chapter 2 - Polymer Based Ion Exchange Resin"; A Book on Ion Exchange, Adsorption and Solvent Extraction, 15-44, **Pub. Date: 2013 Pages: 348, 7x10 - (NBC-C) ISBN: 978-1-62417-887-0**

Pritee Goyal, **Dhanraj T. Masram**, "Chapter 12: Nano Biomaterial for Decontamination of Carcinogenic Metal from Waste Water, *Advances in Environmental Research*, Nova Science Publishers, Inc. 400, Oser Avenue, Suite 1600, Hauppauge, NY 11788 .pp. 191-202 . *Advances in Environmental Research* volume 41, 2015 - 3rd Quarter, 220. 7x10 - (NBC-R), **ISBN: 978-1-63482-885-7. Editors: Justin A. Daniels** Volume 41, July 01, 2015, Pages 191-202, **ISBN: 978-163482911-3;978-163482885-7**

Manish Kumar, Navin Mogha, **Dhanraj T. Masram**, "Case Studies in Biosorption", Pages 201-225, *Bioremediation: Current Research and Applications* Edition: 2017, Publisher: IK International Publisher, New Delhi, India, Editor: Dr Ashok K Rathoure, **ISBN: 978-93-85909-60-3**

4. *Book published*

S. Kaur-Ghumaan, A.Sakthivel, **Dhanraj T. Masram**, M.Sathiyendhiran "ELECTRONIC AND MAGNETIC PROPERTIES OF TRANSITION AND INNER TRANSITION ELEMENTS AND THEIR COMPLEXES" Nova Sc.Publishers, Inc. 400, Oser Avenue, Suite 1600, Hauppauge, NY **ISBN: 978-1-53610-914-6**

Conference Organization/ Presentations (in the last three years)

List against each head (If applicable)

1. *Organization of a Conference (Last Five Years)*

1. One day seminar organized at Department of Chemistry University of Delhi, Delhi, Saturday, 08/03/2014 (**Organizing Committee Member**)

2. One day seminar organized at Department of Chemistry University of Delhi, Delhi, Friday, 08/01/2015 (**Organizing Committee Member**)

3. National Seminar on “Recent Advances in Chemical Sciences”(NSRACS-2015)”, Organized by Department of Chemistry, Janta Mahavidyalaya, Chandrapur, Gondwana University, Gadchiroli, Maharashtra, India on 16th Feb. 2015. **(Organizing Committee Member)**

4. International conference on emerging trends in applied science & mathematics “Techscientia – 15” organized by Tulsiramji Gaikwad Patil College of Engineering & Technology, RTM Nagpur University Nagpur in Nagpur during 22nd -23rd April 2015.

5. 3rd Indo Italian Workshop on “Electro chemistry For Future Energy solutions”, Organized by Department of Chemistry University of Delhi, Delhi on 02/06/ 2015. **(Organizing Committee Member)**

6. Department of Chemistry, Kirori Mal College, University of Delhi, is organizing two day National Conference on Emerging Trends in Chemical Sciences-2016 to be held on 3th and 4th February 2016 **(Organizing Committee Member)**

2. *Participation as Paper/Poster Presenter (Last Five Years)*

International Conference on “Applications of Advanced Materials for Sustainable Development” AAMSD-2014. Organized by Department of Chemistry, Ambedkar College RTM, Nagpur University, Nagpur & CSIR NEERI, India, on 17th –18th, January, 2014. **(Oral)**

National Conference on “Earth and Environment: Pollution and Prevention”, Organized by Amity University with Ministry of Earth Sciences, New Delhi, 28-30th Jan 2014. **(Oral)**

International Conference GOLD-CT-2014 Organized by Department of Chemistry North Maharashtra University, Jalgaon (M. S.), INDIA. February 6-8, 2014

APA International Conference on “Polymers: Vision & Innovations APA-2014” Organized by Ministry of Chemical Fertilizers Government of India, Asian Polymer Association and Indian Institute of India, Delhi, India. February 19-21, 2014. **(Poster)**

20th ISCB International Conference on Chemistry and Medicinal Plants in Translational Medicine for healthcare Organized by Department of Chemistry University of Delhi, Delhi on 1st - 4th March 2014. **(Poster)**

CONIAPS XVI: March 20-22, 2014 organized by International Academy of Physical Sciences and PDPM Indian institution of Technology, Design and Manufacturing Jabalpur, India. **(Oral)**

National Conference on Nanotechnology and Renewable Energy-2014 (NCNRE-2014), Organized by Department of Applied Science and Humanities, Jamia Millia Islamia, New Delhi, India on April 28-29, 2014. **(Oral)**

2nd Annual National Conference on Science: Emerging Scenario & Future Challenges-II (SESFC-II) organized by Him Science Congress Association (HSCA), Himalayan Forest Research Institute, Shimla, Himachal Pradesh, India on May 17-18, 2014. **(Poster)**

27th International Symposium on Polymer Analysis and Characterization at Les Diablerets, Switzerland held on June 16-18, 2014. **(Poster)**

GIST-2015 at Manav Rachana International University, Faridabad, India on 15th January, 2015. **(Oral)**

International Conference on Futuristic Materials and Emerging Trends in Forensic and Life Sciences (ICFM-2015) at Hotel Center Point, Ramdaspath Nagpur, organized by Department of Chemistry, RTM,

Nagpur University, Nagpur during 5th -7th February 2015(*Poster*) (PM-175) (Material Science)

9th National Conference on ‘*Solid State Chemistry and Allied Areas (ISCAS-2015)*’ organized by *Bhaskaracharya College of Applied Sciences, University of Delhi* in association with Indian Association of Solid State Chemists and Allied Scientists at Conference Centre of Delhi University from May, 8-10, 2015.

6th National Conference on “Agrochemicals” organized by FICCI on 19th January 2016.(Participation)

Emerging trends in drugs development and natural products(ETDDNP-2018) Organized by Department of Chemistry, University of Delhi, Delhi on 12/01/2018 to 14/01/2018(*Poster*)

Research Projects (Major Grants/Research Collaboration) (*Last Five Years*)

Name of Project: Immobilization of AChE on ZrO₂ - Graphene nanocomposite for preparation of a Chlorpyrifos biosensor

Funding Agency: University of Delhi, Delhi.

Position in Project: None, Period: 2014 - 2015, **Grant: Rs. 2.7 lakh**

Name of Project: Synthesis and Physiochemical Studies of Graphene Oxide - Polymeric Brushes.

Funding Agency: University of Delhi, Delhi.

Position in Project: None, Period: 2015 - 2016, **Grant: Rs. 3.0 lakh**

Name of Project: “**Novel polymers with hole transporting properties: pendant triphenylamine groups containing polyurethane-based tri-block copolymers through atom transfer radical polymerization**”

Funding Agency: Fast Track Project for Young Scientist from Department of Science & Technology (DST) Fast Track Proposals for Young Scientists scheme, SERB, Government of India, Delhi, India.

Position in Project: one, Period: 2012 - 2015, **Grant: Rs. 22,80,000**

Name of Project: **Synthesis, Characterization and Biological Activities of Some Selected Quinolones and their Metal Complexes**

Funding Agency: Major research project University Grants Commission (UGC)

Position in Project: **one** Period: 2013- 2016 , **Grant: Rs. 08,56,800**

Name of Project: **Decontamination of Toxic Metals from Water using Nano Fibers.**

Funding Agency: SERB- Department of Science & Technology (DST), Government of India, Delhi, India.

Period: 2014 - 2015 , **Grant: Rs. 06,00,000**

Simultaneous electrochemical detection of Dopamine, ascorbic acid and uric acid using lanthanum oxide - reduced graphene oxide nanocomposite 2014- 2015

Redox indicator free detection of *Mycobacterium tuberculosis* using specific electrochemical DNA biosensor based on the graphene oxide nanoribbon immobilized Gold nanoparticles, 2015-2016

Funding Agency: DU-DST Purse Grant phase II, Department of Science & Technology, Government of India, Delhi, India.

Position in Project: none, Period: 2014- 2015, 2015-2016 **Grant: Rs. 02,21,360;02,34,000;1,50,000**

Name of Project: **Synthesis, characterization and evaluation of anticancer activity of novel bioessential transition metal complexes having tumor targeting and antitumor active ligand [Co-PI]**

Funding Agency: Department of Biotechnology (DBT), Government of India, Delhi, India.

Position in Project: none, Period: 2014 - 2017, **Grant: Rs.1,14,68,000**

Awards and Distinctions

- DST Young Scientist Award: Department of Science and Technology, Delhi, under SERB scheme

2011.

- BEST POSTER award in International symposium on “Recent Advances in Green Chemistry and chromatographic sciences”. Organized by ISAS at Manav Rachana International University, Faridabad on 12-14th January, 2012.]
- National Conference on “Green Chemistry and Sustainable Technologies for Society” Dept. of Chemistry and EEE, GWEC, Ajmer, Society for Materials Chemistry, BARC Mumbai, Malviya National Institute of Technology, Jaipur, Rajasthan, India 11-12 January 2016.

Association With Professional Bodies

1. *Reviewing*

1. Journal of Applied Polymer Sciences, John Wiley & Sons, Inc. International Publications.
2. Journal of Chemical and Biological Luminescence, John Wiley & Sons, Inc. International Publications.
3. Journal of Molecular Structure, Elsevier.
4. Green Chemistry Letters and Reviews, Taylor & Francis
5. Journal of Thermal Analysis and Calorimetry, Springer
6. Indian Journal Chemistry, Sec A, CSIR-NISCAIR
7. International Journal of New Technologies in Science and Engineering (IJNTSE).(Member in Editorial Board)
8. The Korean Journal of Chemical Engineering

2. *Memberships*

1. Life Member of Society for Materials Chemistry (SMC), BARC, Mumbai. Reg.No.LM255.
2. Life Member of Indian Society of Analytical Scientists (ISAS), Delhi Chapter c/o Indian Oil Corporation limited, Faridabad. Reg.No.LMT-2010/36.
3. Life Member of Forum of Scientists, Engineers and Technologist (FOSET), Kolkata. Reg. No. LM /2011/2078.
4. International Academy of Physical Sciences, 8/4 Bank Road, Allahabad-211002, India. Reg. No. LM /2014/N14229.
5. Life Member of Electron Microscope Society of India (EMSI) affiliated to International Federation of Society for Electron Microscopy. Reg. No. LM /2014/983
6. Member of American Chemical Society(2014-2015) ACS Member #30765811
7. Member of Royal Society of Chemistry(2014-2016) MRSC#538337
8. Chemical Research Society of India (CRSI),Bangalore
9. Indian Council of Chemists (ICC), Agra Principal collage Agra, Reg. No. LM /1710 dated 2015

Other Activities

Actively Participated in

1. "Workshop on Electronic Structure, Atomistic and Statistical Modeling in Chemistry, Materials and Life Sciences" sponsored by Royal Society of Chemistry(North India Section),Schrodinger GmbH, Bangalore, India and Department of Chemistry, University of Delhi, Delhi, India, 8th -10th October 2014.
2. "IV Cr workshop on X-Ray Diffraction systems and related Applications" sponsored by PANanalytical and Department of Chemistry, University of Delhi, Delhi, 25th -26th Sep2014.
3. 64th BRNS-IANCAS National Workshop on "Radiochemistry & Application of Radioisotopes" sponsored by BRNS, DAE and RTM Nagpur University, Nagpur and IANCAS, Jul. 2-10, 2007.
4. 62nd orientation program conducted by UGC- Academic Staff College RTM Nagpur University Nagpur.18/02/2009-17/03/2009.
5. Refresher course on "Contemporary Non-equilibrium Thermodynamics and Statistical Mechanics" held at Department of Chemistry; RTM Nagpur University, Nagpur, sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, New Delhi, National Academy of Sciences, India, Allahabad, from 20th October to 2nd November 2010.
6. A Blood Donation Camp was organized in the Department of Chemistry, R.T.M. Nagpur University, Nagpur, on 11th Sept. 2006 under the banner of Chemical Society of the same Department.
7. Ph.D. Supervisor in the Faculty of Science, subject Chemistry R.T.M. Nagpur University, Nagpur, Sr.No.215 Ph.D. (Cell)/RRC/Guide /Chem./110 dated 23/10/2009.
8. "Kabul Project" for up-gradation of Faculty and infrastructure of Science Departments of Kabul University, University of Delhi had organized a training programme from in 2nd January to 25th February 2012.
9. Chemistry in an Ancient Era held on 29/01/2013UGC sponsored National Conference "Role of Chemistry in Every Day Life Science Ancient Era" organized by S.N.More College, Tumsar, RTM Nagpur University Nagpur, Maharashtra ,India
10. Paper setter and Examiner in Inorganic Chemistry, M.Sc. Part II, R.T.M. Nagpur University, Nagpur 2014.
11. Resource person "ATRP: Architecting polymers for future applications" for the Faculty Development Programme (Under TEQIP-II) at DTU, Delhi on 15-26 December, 2014.
12. Refresher course in Chemistry conducted by UGC- Academic Staff College RTM Nagpur University Nagpur.23/02/2015-15/03/2015.

Signature of Faculty Member