

Bio-Data – Dr. Meena Nemiwal

Dr. Meena Nemiwal, PhD (Chemistry)

Assistant Professor

+91- 9549650328

meena.chy@mnit.ac.in, meenunemiwal@gmail.com

Department of Chemistry, Malaviya National Institute of Technology (MNIT) Jaipur-302017, India

RESEARCH INTEREST:

Materials Chemistry, Organic Synthesis, Catalysis, Photocatalysis, Adsorption, Surface and ground water treatment, Electrocatalysis

Educational Qualification

Class/Degree	Year	Board/University	%/Division	Subject/Specialization
10 th	1995	CBSE	61.20%/I	All Compulsory Subjects
12 th	1997	CBSE	74.40%/I	Physics, Chemistry, Biology
B.Sc.	2000	Univ. of Rajasthan, Jaipur	75.78%/I	Chemistry, Botany, Zoology
M.Sc.	2002	Univ. of Rajasthan, Jaipur	74.37%/I	Organic Chemistry,
Ph.D.	2007	Univ. of Rajasthan, Jaipur		Electro analytical chemistry
NET-JRF (CSIR)	2005			Chemical Sciences
GATE	2007	IIT Kanpur		Chemistry

Details of Ph. D. Degree

Title	“Electrochemical Studies of Metal-Complexes at Dropping Mercury Electrode in Aqueous and Aqueous-Nonaqueous Media”
Name of Supervisor	Prof. O. D. Gupta
Date of Registration	23-03-2003
Date of Submission	26-12-2005
Date of Award	21-05-2007
Name of University	University of Rajasthan, Jaipur

Teaching and Research Experience 16 years

Institution	Duration	Designation
MNIT, Jaipur	12/2/19 - Cond.	Assistant Professor
SKIT, Jaipur	7/8/12 - 11/2/2019	Associate Professor
MNIT, Jaipur	22/7/11 - 11/5/12	Guest Faculty
DRIT, Jaipur	20/7/10 - 20/7/11	Assistant. Professor
Uni. Of Raj. Jaipur	21/5/ 07 - 30/6/ 10	Post-Doctoral Research Fellow

Publications

Research papers published in Journals	46
Book Chapter Published	14
Book Published	01
Conferences attended	29
Research papers presented in conferences	19 (10 National & 8 International)
Memberships of academic societies	3 (Indian Science Congress, InDA and SMC)
Conferences Organized	3
FDP- Organized	4

Research supervision

Ph.D (05)

Name	Year of Registration	Topics	Status
Vijesh Tomar	2019	Preparation of bio-active molecules through carbonylations of unsaturated organic compound	Ongoing
Parveen Kumar	2020	Synthesis of Nanoparticles and Their applications for the Synthesis of Bioactive Molecules	Ongoing
Akta Soni	2021	Heterogeneous nanocatalysts: Green and sustainable route for the synthesis of bioactive heterocyclic compounds	Ongoing
Gaurav Kumar	2022	Development of efficient novel catalysts for the organic transformations	Ongoing
Baldev	2023	Development of bio-based adsorbents for sustainable solution of water pollution	Ongoing

M.Sc. Dessertation (07)

Sonu Mahawer	2020	Recent Developments in ZnS - based Photocatalysts for Degradation of Dyes	Completed
Himani Jindal	2020	Graphitic Carbon Nitride (g-C ₃ N ₄): A Potential Candidate For Photocatalytic Dye Degradation	Completed
Yash Rajput	2021	A Short Review on g-C ₃ N ₄ -based Photocatalyst for Hydrogen Evolution Reactions (2019-21)	Completed
Prensha Arora	2021	C-N cross coupling transformations catalyzed via copper Oxide nano particles	Completed
Jaya Sharma	2021	Immobilized ionic liquids on fe ₃ o ₄ nanoparticles: a Potential catalyst for organic synthesis	Completed
Shweta Singh	2022	Synthesis of biologically important compounds by using Greener approach	Completed
Devanand Roy	2022	Nanocatalyzed synthesis of bioactive compounds	Completed
Aarti Bindal	2023	Development of heterogeneous catalyst for organic transformation	Ongoing
Vaishali Dixit	2023	Greener approach for the synthesizing medicinally important compounds	Ongoing
Shrasti Goyal	2023	Synthesis of bioactive compounds using advanced materials	Ongoing
Mentorship of Project (SR/WOS-A/CS-46/2018)			
Dr. Venu Sharma	2023	Medicinal chemistry of natural products from selected Indian medicinal plants to discover potential anticancer agents.	Ongoing

Projects

S. No.	Title	Funding Agency	Category	Role	Amount	Duration
1.	Design and Drawing of Vented Causeway at Dravyati River Jaipur	JDA Jaipur - JLN Marg Jaipur	Consultancy	Co-PI	1,090,987.72	2021-22
2.	Preparation of District Environment management Plan for Hanumangarh	Environmental Committee and District Collector, Hanumangarh	R & D	Co-PI	996,000.00	2022-23
3.	Preparation of District Environment management Plan for Sikar	Environmental Committee and District Collector-Sikar	R & D	Co-PI	996,000.00	2022-23
4.	Sustainable solution for Toxic Metal Ion Pollutants in water	Ministry of Housing and urban affairs	R & D	PI	27,81,111.00	2023-25

List of publications

A. Papers Published in journals (46)

1. Akta Soni, Parveen Kumar, Vijesh Tomar, Raj Kumar Joshi, **Meena Nemiwal**, "A decade of synthesis of N-heterocyclic derivatives via magnetically retrievable Fe₃O₄@SiO₂@Cu(II) nanocatalysts: A review (2013-present)", Synthetic Communications Volume :53 / 1469 / 2023
2. Shweta Singh, Parveen Kumar, Akta Soni, and **Meena Nemiwal**, "An Exploration on Copper-Based Metal-Organic Frameworks as Propitious Heterogeneous Catalyst for Coupling Reactions", Chemistry Select (Wiley) Volume :8 / 202204279 / 2023
3. Devanand Roy, Parveen Kumar, Akta Soni, **Meena Nemiwal**, "A versatile and microporous Zn-based MOFs as a recyclable and sustainable heterogeneous catalyst for various organic transformations: A review (2015-present)", Tetrahedron (Elsevier) Volume :1 / 133408 / 2023 (**Impact Factor-2.457**)
4. Prerana Sikarwar, **Meena Nemiwal**, Vijayalakshmi Gosu, Verraboina Subbaramaiah, "Adsorptive denitrogenation of indole from model fuel oil over Co-MAC: Adsorption mechanisms and competitive adsorption", Journal of the Indian Chemical Society: 100801/2022 ISBN: 2193-5815 (**Impact Factor-0.243**) (Elsevier)
5. Parveen Kumar, Vijesh Tomar, Raj Kumar Joshi, **Meena Nemiwal**, "Regioselective, Greener Protocol for the Synthesis of N-Heterocyclic Compounds Catalyzed by Recyclable CuO NPs Coated with Ionic Liquid (CuO[HN222][Al2Cl7])", Asian

Journal of Organic Chemistry Volume :11 / 1 / 2022 ISBN: 2193-5815 (**Impact Factor-3.116**)

6. Jaya Sharma, Parveen Kumar, Mika Sillanpää, Dinesh Kumar, **Meena Nemiwal**, "Immobilized Ionic Liquids on Fe₃O₄ Nanoparticles: A Potential Catalyst for Organic Synthesis", *Inorganic Chemistry Communications* Volume :145 / 110055 / 2022 ISBN: 1387-7003 (**Impact Factor-3.42**)
7. Prenscha Arora, Parveen Kumar, Vijesh Tomar, Mika Sillanpää, Raj Kumar Joshi, **Meena Nemiwal**, "C-N cross-coupling organic transformations catalyzed via copper oxide nanoparticles: A review (2016-present)", *Inorganic Chemistry Communications* Volume :145 / 109982 / 2022. (Elsevier) (**Impact Factor-3.42**).
8. Akta Soni, Parveen Kumar, Vijesh Tomar, Raj Kumar Joshi and **Meena Nemiwal**, "Recent Advances in Copper Oxide Nanocatalyzed C-C Cross-Coupling Transformations", *Results in Chemistry* Volume :4 / 100513 / 2022 (Elsevier)
9. Deepak Sharma, Vijesh Tomar, Charu Sharma, **Meena Nemiwal** and Raj K. Joshi, "Direct Amidation of Ferrocenyl /Phenyl Beta- Chlorocinnamaldehyde Assisted by Chalcogenide Metal Carbonyl Cluster", *Tetrahedron* Volume :124 / 133014 / 2022 (Elsevier) (**Impact Factor-2.457**)
10. Yash Rajput, Parveen Kumar, Tian C. Zhang, Dinesh Kumar, **Meena Nemiwal**, "Recent advances in g-C₃N₄-based photocatalysts for hydrogen evolution reactions", *International Journal of Hydrogen Energy* Volume :47 / 38533 -38555 / 2022 (Elsevier) (**Impact Factor-7.13**)
11. **Meena Nemiwal**, Mika Sillanpää, Fawzi Banat, Dinesh Kumar "CeO₂-encapsulated metal nanoparticles: Synthesis, properties and catalytic applications" *Inorganic Chemistry Communications*, Volume 143, 2022, 109739, (Elsevier) (**Impact Factor -3.42**).
12. Zahir Abbas, **Meena Nemiwal**, Ankita Dhillon and Dinesh Kumar "Use of biogenic NiONPs as nanocatalyst in Kumada-Corriu coupling reaction" *Inorganic and Nano-Metal Chemistry* Volume :52 / 1-8 / 2022 ISBN: 2470-1564 (Taylor and Francis) (**Impact Factor-1.51**)
13. Sandhya Kumari , Kritika S. Sharma , Meena Nemiwal , Suphiya Khan and Dinesh Kumar "Simultaneous detection of aqueous aluminum(III) and chromium(III) using *Persea americana* reduced and capped silver nanoparticles" *International Journal of Phytoremediation* Volume :23 / 1-14 / 2021 ISBN: 15226514, 1549787 (Taylor & Francis) (**Impact Factor- 4.00**)
14. Parveen Kumar, Vijesh Tomar, Raj Kumar Joshi , **Meena Nemiwal** , "Nanocatalyzed synthetic approach for quinazoline and quinazolinone derivatives: A review (2015–present)" , *Synthetic Communications* Volume :00 / 1 / 2022 ISBN: 00397911(Taylor and Francis) (**Impact Factor-1.93**)
15. Parveen Kumar, Vijesh Tomar, Dinesh Kumar, Raj Kumar Joshi, **Meena Nemiwal** "Magnetically active iron oxide nanoparticles for catalysis of organic transformations: A review" *Tetrahedron* Volume :106-107 / 132641 / 2022 ISBN: 0040-4020 (Elsevier) (**Impact Factor-2.38**)

16. Venu Sharma, **Meena Nemiwal** and Dinesh Kumar "Catalytic applications of recent and improved covalent organic frameworks" *Mini-Reviews in Organic Chemistry* Volume :0 / 1 / 2022 ISBN: 1875-6298 (Bentham Science) (**Impact Factor-2.49**)
17. **Meena Nemiwal**, Tian C. Zhang and Dinesh Kumar "Enzyme Immobilized Nanomaterials as Electrochemical Biosensors for Detection of Biomolecules" *Enzyme and Microbial Technology* Volume :156 / 110006 / 2022 ISBN: 18790909, 0141022 (Elsevier) (**Impact Factor-3.70**)
18. Naresh A. Rajpurohit, Kaushalya Bhakar, **Meena Nemiwal** and Dinesh Kumar "Design and synthesis of hybrid nanostructures for sustainable energy and environmental remediation" *Arabian Journal of Geosciences* Volume :15(137) / 1-16 / 2022 (Springer) (**Impact Factor-1.82**)
19. Meena Nemiwal, Tian C Zhang, Dinesh Kumar, "Pectin modified metal nanoparticles and their application in property modification of biosensors", *Carbohydrate Polymer Technologies and Applications* Volume:2/100164/2021(Elsevier)(Impact Factor-)
20. Vijesh Tomar, Charu Sharma, Meena Nemiwal, Raj Kumar Joshi, Synthesis of novel ferrocenated enynes via the Sonogashira coupling of ferrocenated vinylic chlorides and alkyne in the catalytic presence of selenated NHC-Pd (II) full pincer complex under Cu and amine free aerobic conditions", *Journal of Organometallic Chemistry* Volume: 965/122095/2021(Elsevier) (**Impact Factor-2.34**)
21. Priyanka Joshi, Meena Nemiwal, Abdullah A. Al-Kahtani, Mohd Ubaidullah and Dinesh Kumar, "Biogenic AgNPs for the non-cross-linking detection of aluminum in aqueous systems", *Journal of King Saud University- Science* Volume :33 / 101527 / 2021 ISBN: 1018-3647 (Elsevier) (**Impact Factor-3.82**)
22. Himani Jindal, Dinesh Kumar, Mika Sillanpaa and Meena Nemiwal, Current Progress in Polymeric graphitic Carbon Nitride-based Photocatalysts for Dye Degradation, *Inorganic Chemistry Communications*, Volume 131(2)/108786/2021(Elsevier) (**Impact Factor -3.42**)
23. Meena Nemiwal and Dinesh Kumar "TiO₂ and SiO₂ encapsulated metal nanoparticles: Synthetic strategies, properties, and photocatalytic applications" *Inorganic Chemistry Communications* Volume :152 / 108602 / 2021 ISBN: 1387-7003 (Elsevier) (**Impact Factor-3.42**)
24. Meena Nemiwal and Dinesh Kumar "Recent Progress on Electrochemical Sensing Strategies as Comprehensive Point-Care Method (accepted)" *Monatshefte für Chemie - Chemical Monthly*. Volume :152 / 1-18 / 2021 ISBN: 0026-9247 (Springer) (**Impact Factor- 1.61**)
25. Meena Nemiwal, Tian C. Zhang and Dinesh Kumar "Graphene-based electrocatalysts: Hydrogen evolution reactions and overall water splitting" *International Journal of Hydrogen Energy* Volume :46 / 21401-418 / 2021 ISBN: 0360-3199 (Elsevier) (**Impact Factor-7.13**)
26. Meena Nemiwal, Vijayalakshmi Gosu, Tian C. Zhang and Dinesh Kumar "Metal Organic Frameworks as Electrocatalysts: Hydrogen Evolution Reactions and Overall Water Splitting " *International Journal of Hydrogen Energy* Volume: 46 / 10216-1023 / 2021 ISBN: 0360-3199 (Elsevier) (**Impact Factor-7.13**)

27. Meena Nemiwal, Tian C. Zhang and Dinesh Kumar "Recent progress in g-C₃N₄, TiO₂ and ZnO based photocatalysts for dye degradation: Strategies to improve photocatalytic activity" *Science of Total Environment* Volume :767 / 144896 / 2021 ISBN: 0048-9697 (Elsevier) **(Impact Factor-10.75)**
28. Meena Nemiwal, Venu Sharma and Dinesh Kumar "Improved Designs of Multifunctional Covalent-Organic Frameworks: Hydrogen Storage, Methane Storage and Water Harvesting" *Mini-Reviews in Organic Chemistry* Volume :18 / 1-11 / 2021 ISBN: 1875-6298 (Bentham Publications) **(Impact Factor- 2.49)**
29. Vijesh Tomar, Yachana Upadhyay, Avinash K. Srivastava, Meena Nemiwal, Raj K. Joshi and Pradeep Mathur "Selenated NHC-Pd(II) catalyzed Suzuki-Miyaura coupling of ferrocene substituted β-chloro-cinnamaldehydes, acrylonitriles and malononitriles for the synthesis of novel ferrocene derivatives and their " *Journal of organometallic chemistry* Volume :940 / 121752 / 2021 ISBN: 0022-328X (Elsevier) **(Impact Factor-3.42).**
30. Meena Nemiwal, Verraboina Subbaramaiah, Tian C. Zhang and Dinesh Kumar "Recent Advances in Visible-Light-Driven Carbon Dioxide Reduction by Metal-Organic Frameworks," *Science of Total Environment.*" *Science of Total Environment* Volume :762 / 144101 / 2021 ISBN: 0048-9697 (Elsevier) **(Impact Factor-10.75)**
31. Meena Nemiwal and Dinesh Kumar "Metal organic frameworks as water harvester from air: Hydrolytic stability and adsorption isotherms" *Inorganic Chemistry Communications Volume* :122 / 108279 / 2020 ISBN: 1387-7003 (Elsevier) **(Impact Factor-3.42)**
32. Madhu Moyal, Meena and O.D.Gupta, Electrochemical Study of Mixed Ligand Complexes of In(III) with Succinic Acid and Serine. *Asian Journal of Chemistry*, 2011, 23(4), 1875-1876.
33. Meena and O. D. Gupta, Electrode Kinetics and Formation Constants of complexes of Cu (II) with N-Substituted Derivatives of Oxamic Acid in aqueous media at DME, *Journal of Indian Chemical Society*, 2011, 88(11), 1703-1708.
34. O.D. Gupta, Meena and Jyoti Singh, Electrochemical Studies on Complexes Of Copper (II) With Oxoglutarate At D.M.E. In Aqueous Medium, *Asian Journal of Chemistry*, 2010, 22(3), 2043-2050.
35. Suresh Kumar, Meena and O. D. Gupta, Electrode kinetic studies of Mn (II) complexes with some amino acids (Glycine, α-alanine and L-valine). *Asian Journal of Chemistry*, 2010, 22(7), 5019-5024.
36. Meena, Sunita Sharma and O.D. Gupta, Electrochemical study of pencillin benzyl salt with Pb (II) in nonaqueous media. *Asian Journal of Chemistry*, 2009, 21(6), 4346-4350.
37. Suresh Kumar, Meena, Akhil K. Barjatya and O. D. Gupta, Comparative Polarographic Studies of Cd(II) Complexes of Glycine in Aqueous and Aqueous-nonaqueous Media, *Rasayan Journal of Chemistry*, 2009, 2(2), 371-372.
38. Suresh Kumar, Meena, Akhil k. Barjatya and O.D. Gupta, Comparison of stability constant values of Cu(II) complexes with Amino acids by DeFord and Hume's and Mihailov's methods, *Oriental Journal of Chemistry*, 2009, 25(3), 541-547.

39. M.K. Paliwal, Meena and O.D. Gupta, Polarographic studies of As (III) and Sb (III) with Tyrosine, *Oriental Journal of Chemistry*, 2009, 25(3), 523-528.
40. Sunita Sharma, Meena, Urmila Gupta and O.D. Gupta, Electrochemical studies on mixed –ligand complexes of In (III) with Pentanedioic acid and 2-[(2-aminoacetyl)amino] ethanoic acid at different temperatures. *Journal of Ultra Chemistry*, 2009, 5(2), 123-130.
41. Meena and O.D. Gupta, Determination of stability constants of ternary complexes of lead with vitamine B5 and amino acids (L-citrulline and valine) polarographically. *Asian Journal of Chemistry*, 2009, 21, 4685-4662.
42. Meena and O.D. Gupta, Study of reduction of Lead with Amino acids (glycine and valine) and Thioglycolic acid (TDGA) at dropping mercury electrode (DME). *Oriental Journal of Chemistry*, 2008, 24 (3), 943-946.
43. Meena, Santosh Kumar Meena and O.D. Gupta, Polarographic study of mixed ligand complexes of Lead with Amino acids (cysteine & serine) and Thioglycolic acid (TDGA) at dropping mercury electrode (DME). *Journal of Ultra Chemistry*, 2008, 4(2), 473-476.
44. Meena and O.D. Gupta, Electrochemical studies of Pb (II) complexes with Pyridine in aqueous medium and comparison of stability constant values by Mihailov's and De Ford and Hume's method. *Rasayan Journal of Chemistry*, 2008, 1(3), 556-560.
45. Meena, Sunita Sharma, Madhu Moyal and O.D. Gupta, Stability constants of Pb(II) complexes with Mercaptosuccinic acid and some Amino acids: A Polarographic Study. *Rasayan Journal of Chemistry*, 2008, 1(3), 532-536.
46. Sunita Sharma, Arvind Sharma, Meena and O.D. Gupta, Electrochemical Studies of In (III) Complexes with 2,2'-Oxydiacetic acid in Aqueous and Aqueous-Nonaqueous Media (Methanol/Ethanol). *Journal of Ultra Chemistry*, 2008, 4(2), 165-170.

(B) Book Chapters

1. Swati Joshi and Meena Nemiwal " Introduction-Nanomaterials and their role in water remediation ISBN:9781032181165 published by - **Taylor and Francis** Year 2022
2. Poonam Ojha, Meena Nemiwal " Disinfection of Water by Eco-friendly Nanomaterials ISBN:9781032181165 published by - **Taylor and Francis** Year 2022
3. Vijayalakshmi Gosu, Gayatri Rajpur, Uttam Singh, Meena Nemiwal, S Suresh, Verraboina Subbaramaiah, "Photocatalytic Degradation of Organic Pollutants by Using Efficient Nanomaterials ISBN:9781032181165 published by - Taylor and Francis Year 2022
4. Meena Nemiwal, Ankita Dhillon, "Nanocellulose-Based Materials for Photocatalysis in Water Treatment Applications, ISBN:9780367487331 published by - **Taylor & Francis** Year:2021.
5. Meena Nemiwal, Kaushalya Bhakar, "Nanocellulose: Structural Properties and Mechanical Structure-Property Relationships, ISBN:9780367487331 published by - **Taylor & Francis** Year:2021.
6. Meena Nemiwal, Ankita Dhillon and Dinesh Kumar, "Nanomaterials: Synthesis, Properties, and Societal Applications ISBN:978-1-53619-763-1 published by - **Nova Science Publishers** Year:2021.

7. Kaushalya Bhakar, Meena Nemiwal, Dinesh Kumar, "Potential Differences between Cellulose Nanocrystal, Microfibrillated Cellulose, and Hairy Cellulose Nanocrystalloid in Water Purification, ISBN:9780367487331 published by - **Taylor & Francis** Year:2021.
8. Ankita Dhillon, Meena Nemiwal, Dinesh Kumar, "Potential of Nanocellulose as a Sustainable Replacement of CNTs in Water Purification Methods, ISBN:9780367487331 published by - **Taylor & Francis** Year:2021.
9. Meena Nemiwal, Vijayalakshmi Gosu, Ankita Dhillon and Dinesh Kumar "Environmental Applications of Metal–Organic Frameworks: Recent Advances and Challenges" ISBN:9780841298101 published by - **ACS Publications** Year:2021
10. Niharika Singh, Ankita Dhillon, Meena Nemiwal and Dinesh kumar "Metal–Organic Frameworks for Water Decontamination and Reuse: A Dig at Heavy Metal Ions and Organic Toxins" ISBN:9780841297845 published by - **ACS Publication** Year:2021
11. NA Rajpurohit, K Bhakar, M Nemiwal, D Kumar, "Chemistry and Technology of Waterborne Polyurethanes" ISBN:978-1-003-17352-6 published by - **CRC Press** Year:2022
12. Meena Nemiwal, Naresh A.Rajpurohit, Kaushalya Bhakar, Dinesh Kumar "Strategies to enhance the electrochemical properties of MOFs" ISBN:9780323911795 published by - **Elsevier** Year:2022
13. Ankita Dhillon,,Meena Nemiwal and Dinesh Kumar, "Recent Development in Nanomaterials: Industrial Scale Fabrication and Applications" ISBN:0367549875, 9780367549879 published by - **CRC Press** Year:2022
14. Kaushalya Bhakar, Meena Nemiwal, Dinesh Kumar, "Graphene-based 2Dnanomaterial for supercapacitors" ISBN:9781032013879 published by - **Taylor and Francis** Year:2022

(C) Books

1. Reference Book, "Applications of Advanced Nanomaterials in Water Remediation" ISBN:9781032181165 published by - Taylor and Francis Year: 2022 authors- Dinesh Kumar and Meena Nemiwal

(D) Conferences Publications (18)

Papers presented in national conferences

1. Meena, M. K. Paliwal and O.D. Gupta, Comparative polarographic studies of Cd(II) and Pb(II) with oxalic acid, malonic acid and succinic acid, National Symposium on Recent Advances in Chemical Research (RACR-05), dated 28-29 March 2005, 49.
2. Meena, Akhil, Smita Agarwal and O.D. Gupta, Study of reduction of Lead with Amino acids (glycine and valine) and Thioglycolic acid (TDGA) at dropping mercury electrode (DME), National Symposium on Emerging Trends in Advanced Chemistry (ETAC-08) March -10, 2008, 81.

3. Meena, Chanchal Karadia, Jitendra Sharma, Akhil Kumar Barjatya and O.D. Gupta Composition and Stability of Mixed ligand Complexes of Pb(II) and Ascorbic Acid and some Amino Acids: A Polarographic Approach, National Symposium on New Frontiers in Chemical Sciences (NFCS-10), February – 25, 2010, 108.
4. Dr, Meena, Biofertilizers and Pollution, All India Seminar on Pollution Prevention Through development of bio-based material and energy, Feb 22-23,2013.
5. Dr. Meena, Electrochemical studies of Mixed-Ligand Complexes of L- Amino Acids and Ascorbic Acid by Voltammetric technique, National Conference on Environmental Conservation and Management for Sustainable Era ECMSE- Dec. 20-22,2012.
6. Dr. Meena, Electrochemical Studies of Mixed ligand complexes of some amino acids and Ascorbic acid by voltammetric technique, National conference on “New Dimensions in Green technology for sustainable Development” (NCNDGS- 2014) 21-22 Feb 2014.
7. Dr. Meena and O. D. Gupta, Electrochemical study of mixed ligand complexes of Pb(II) with succinic acid and Serine, National Conference on “Sustainable Engineering Application of Matierial Science and Physico- chemical Innovations”(NCSEAM),26-27 February, 2016, 40.
8. Dr. Meena and O.D. Gupta, “Electrochemical study of mixed ligand complexes of Amino acids and vitamin C by Voltammetric Technique”. National Conference on Sustainable Chemical & Material Science (SCMS2016), 5-6 August.
9. Dr. Meena, Heavy Metal Toxicity in Environment: A Review, National Workshop on Instrumentation Technique for Research in Chemical Sciences (WITRCS- 2017), Dec . 22-23, 2107
10. Dr. Meena, Polarographic Study of mixed ligand Complexes of Lead with Some Amino Acids and Thioglycolic Acid At Dropping mercury electrode (DME), National Conference on Recent Advances At Interfaces of Physical And Life Sciences RAIPLS-2018, July 6-7, 2018.

Papers presented in international conferences

11. Meena Nemiwal, Parveen Kumar, Vijesh Tomar, Akta Soni, "Chloroaluminate Ionic Liquid Immobilized on the Copper II Oxide Nanoparticles Used in Case Study of Chan Evans Lam Coupling Approach " , The 4th Materials Research Society of Thailand International Conference MRS Thailand 2023 by:MRS-Thailand 2023 at Ubon Ratchathani, Thailand, dated 28 Feb - 4 March, 2023.
12. Meena and O.D. Gupta, Studies of mixed-ligand complexes of Pb(II) with some amino acids and succinate at DME International Conference on Sustainable Development and Resource Utilization: Current Trends and Perspectives, dated 23-25 Sep. 2005, 73.
13. Manju Singh, Meena, Jitendra Sharma and O. D. Gupta, Electrochemical studies of In(III) complexes with L-2-Amino-3-hydroxybutanoic acid in aqueous and aqueous-non-aqueous media, International Conference & Expo on "Botanical Products:

Innovation, Challenges, Problems, Solutions and Trans-national Marketing", dated 25-27 march 2006, 255.

14. Meena, Manju Singh, Jitendra Sharma, Sunita Sharma and O. D. Gupta, Electrochemical studies of Pb(II) complexes with Pyridine in aqueous medium and comparison of stability constant values by Mihailov Method and DeFord and Hume's method, International Conference on "Heterocyclic Chemistry" dated 16-19 Dec., 2006, 169.
15. Jyoti Singh, Meena, Akhil Kumar Barjatya, Neeru Choudhary and O.D.Gupta, Electrochemical Studies of In(III) with Isoleucine in non-aqueous media at Dropping Mercury Electrode, 12th International Academy of Physical Sciences, December 22-24, 2010, 201.
16. Poonam Ojha, Meena, Production of Biodiesel from waste cooking Oil, International Conference on Frontiers at the Chemistry- Allied Sciences Interface, FCASI-2017, 22-23 July, UOR, Jaipur.pp-138(ps-152).
17. Meena, Study of Mixed Ligand Complexes of Lead with some Amino Acids and Carboxylic Acid at dropping Mercury Electrode (DME), International Conference on Commerce, Management Social Science And Science, 20-21 Nov.2017, pp 103.
18. Dr. Meena, Polarographic Studies of Mixed Ligand Complexes of Lead with Amino Acids and Thioglycolic Acid at Dropping Mercury Electrode (DME), International Conference on Recent Trends on Environment Sustainable development, 23-25 Feb.2018 (RTESD-2018).
19. Dr. Meena, Heavy Metal toxicity in Water: A Review International Conference on Recent Advances at Interfaces of Physical and Life Sciences, 28-30 January, CYP-47, pp161 2019 (RAIPLS-2019).

Faculty Development Program Attended (3)

1. Induction Training Programme through ICT from 19.11.2012 to 23.11.2012 at Dr. Radhakrishnan institute of Technology, Jaipur sponsored by NITTTTR, Chandigarh
2. Faculty development programme by Swami Keshvanand Institute of Technology, Management and Gramothan, Ramnagar, Jagatpura, Jaipur- 17 from 18 july to 26 july 2013.
3. Faculty Development Programme (FDP) on Research Methodology and Skill Development, 12 January 2019 at LBS PG College, Jaipur.

Faculty Development Program coordinated (4)

1. 3- day Teacher Training Workshop (TTW) on "Induction Programme" held during 22-24 March, 2018 organised by Rajasthan technical University, Kota under TEQIP- III RTU (ATU) Project at Swami Keshwanand institute of Technology, Management & Gramothan (SKIT), Jaipur.
2. TEQIP III and E&ICT sponsored 5- Days Faculty Development Programme on : "ICT in Disaster Management" held during 3-7 June 2019, at MNIT Jaipur.

3. National Workshop on 12 days Faculty development Program on “The Challenges in Strengthening the Clean Technology Entrepreneurship” at Malaviya National Institute of Technology, Jaipur, India from 25-01-2021 to 05-02-2021.
4. National Short Term Course on AICTE Sponsored ATAL Faculty Development Programme (FDP) on - The Recent Trends in Green Technology for Clean Energy Production at Malaviya National Institute of Technology, Jaipur, India from 04-01-2021 to 08-01-2021.

Outside Interaction

1. Interacted with Dr. Pradeep Kapoor, Professor, School of Public policy, University of Maryland, College park, Washington DC metro Area, USA regarding climate change and environmental preservation and protection.
2. Interacted with Prof. T. Pradeep, Professor, Department of Chemistry, IIT Madras, regarding technical discussion upon water and nanoscience.

Conferences Organized (3)

1. National Conference on “New dimensions in Green Technology for Sustainable Development (NCNDGS -2014)”, 21-22 February.
2. National Conference on "Sustainable Engineering Applications of Material Science and Physico- Chemical Innovations (NCSEAMS)" 26-27 February.
3. International Conference on International Conference on Recent Innovations in Cleaner Technologies (8th-9th March, 2021) at Malaviya National Institute of Technology, Jaipur, India from 08-03-2021 to 09-03-2021.