



**Department of Chemistry, University of Rajasthan
JLN Marg, Jaipur-302004 (Rajasthan) India**

Dr. PARMESHWAR LAL MEENA

M.Sc., Ph.D., NET-JRF, GATE & SET (Chemistry)

M.A., NET & SET (Public Administration)

Designation: Assistant Professor

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Field of Specialization

Inorganic Chemistry

Research Interests

- ❖ Environmental Chemistry
- ❖ Water Treatment Technology
- ❖ Nano-photocatalysis
- ❖ Nanomaterials, Nanocomposites, and Nanoadsorbents
- ❖ Theoretical Chemistry

Qualification

- ❖ Ph.D. from M. D. S. University, Ajmer (Rajasthan) in 2017.
- ❖ M.A. (Public Administration) from M. D. S. University, Ajmer (Rajasthan) in 2011.
- ❖ M.Sc. (Chemistry) from M. D. S. University, Ajmer (Rajasthan) in 2003.
- ❖ B.Ed. from M. D. S. University, Ajmer (Rajasthan) in 2001.
- ❖ B.Sc. from M. D. S. University, Ajmer (Rajasthan) in 2000.

Teaching Experience

- ❖ Assistant Professor, Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan) from Aug., 2014 onwards.
- ❖ Assistant Professor, Department of Chemistry, M. L. S. University, Udaipur (Rajasthan) from March., 2012 to Aug., 2014.

- ❖ Lecturer, Department of Chemistry, M. L. V. Govt. College, Bhilwara (Rajasthan) from Jan., 2009 to March, 2012.
- ❖ PGT Chemistry, Navodaya Vidhyalaya Samiti (NVS) at RO, Hyderabad and RO, Jaipur from Sept., 2004 to Jan., 2009.

Awards and Honors

- ❖ **Guru Param Award**-2005-06, NVS, New Delhi (Ministry of HRD, Govt. of India).
- ❖ **Merit Certificate Award**-2005-06, NVS RO, Jaipur (Ministry of HRD, Govt. of India).
- ❖ **Guru Shrestha Award**-2006-07, NVS, New Delhi (Ministry of HRD, Govt. of India).

Ph.D. Awarded/Submitted/Registered

1. **Krishna Poswal**, Synthesis of Metal Oxide-Based Hybrid Nanoparticles and Their Applications in Water Purification, **Awarded, 2023**.
2. **Ajay Kumar Surela**, Green Synthesis of Semiconducting Nanomaterials for Catalytic and Photocatalytic Degradation of Water Pollutants, **Awarded, 2023**.
3. **Jitendra Kumar Saini**, Synthesis of Polyaniline (PANI) Based Nanocomposites for Environment Remediation, **(Thesis Submitted) Dec, 2023**.
4. **Latta Kumari Chhachhia**, Synthesis of Visible Light Active Nanomaterials for the Degradation of Water Pollutants, **Ongoing, 2022**.

PG Projects Supervised

1. **Pooja Khardiya**, Synthesis of MnO₂ Nanoparticles for Adsorptive Removal of Methyl Orange (MO) Dye from Water Samples (2023).
2. **Savita Meena**, Synthesis of Bi₂O₃ Nanoparticles for Photocatalytic Degradation of Crystal Violet (CV) Dye (2023).
3. **Sweta Banarwal**, Green Synthesis of Copper Oxide (CuO) Nanoparticles for Photocatalytic Degradation of Methylene Blue (MB) Dye (2022)
4. **Priyanka Verma**, Green Synthesis of ZnO/Ag Nanoparticles for Photocatalytic Degradation of Methylene Blue (MB) Dye (2022)
5. **Manisha Kumhar**, Synthesis of g-C₃N₄/ZnO Nanoparticles for Photocatalytic Degradation of Methylene Blue (MB) Dye (2021).
6. **Maya Meena**, Synthesis of Graphitic Nitride (g-C₃N₄) Nanoparticles for Removal of Methylene Blue (MB) Dye from Water Samples (2021).
7. **Rupali Pahadia**, Synthesis of Mercaptosuccinic Acid Capped CuS (CuS@MSA NPs) Nanoparticles for Photodegradation of Toluidene Blue (TB) Dye (2020).
8. **Priyanka Jorwal**, Synthesis of Mercaptosuccinic Acid Capped CuS (CuS@MSA NPs) Nanoparticles for Photodegradation of Amido Black 10B (AB-10B) Dye (2020).
9. Jitendra Kumar Saini, Synthesis of Polyaniline-Tea Waste Nanocomposite for Removal of 2,4,6-trinitrophenol (Picric Acid) from Water Samples (2019).
10. **Subham Sharma**, Synthesis of CdS nanoparticles for the Photocatalytic Degradation of Rose Bengal (RB) Dye (2019).

Publications (Journal)

1. Bhanupriya Mordhiya, Rekha Sharma, **Parmeshwar Lal Meena**, Pooja Meena, Chetan Selwal, Development of Novel Adsorbent for Removal of Organic Contaminant from Polluted Water: Kinetic, Isotherm and Thermodynamic Studies, 2024, *Journal of Iranian Chemical Society* (**Springer**), (IF=2.4) ISSN: 1735-207X, 1735-2428 (accepted)
2. **Parmeshwar Lal Meena**, Ajay Kumar Surela and Lata Kumari Chhachhia, Synthesis of Phylogenically Deposited Ag Nanospheres on ZnO Nanosheets for Photocatalytic and Catalytic Applications, *Optical Materials* (**Elsevier**), 2024. ISSN: 0925-3467, 1873-1252 (IF=3.9) (accepted)
3. **Parmeshwar Lal Meena**, Ajay Kumar Surela and Lata Kumari Chhachhia, Plant Axillary Stem Gall Extract Mediated Bioengineered CuO Nanoprisms as Robust and Reusable Catalyst for Photocatalytic and Catalytic Degradation of Water Pollutants, *Journal of Molecular Structure* (**Elsevier**), 2024, 137575. <https://doi.org/10.1016/j.molstruc.2024.137575>, ISSN: 0022-2860 (IF=3.8)
4. Neha Jain, **Parmeshwar Lal Meena**, Deepika Choudhary, Facile Solvothermal Synthesis of Visible Light Active CdS Nanoparticles for the Photodegradation of Rose Bengal (RB) Dye, *Eur. Chem. Bull.* 2023, 12(10), 2449-2461. DOI: 10.48047/ecb/2023.12.si10.00293, ISSN: 2063-5346. (Scopus Indexed)
5. **Parmeshwar Lal Meena**, Ajay Kumar Surela and Lata Kumari Chhachhia, Bi₂O₃ nanoparticles: phyto-genic synthesis, effect of calcination on physico-chemical characteristics and photocatalytic activity, *Materials Research Innovations* (**Taylor & Francis**), 2023. DOI: 10.1080/14328917.2023.2258469, ISSN: 1432-8917; 1433-075X
6. **Parmeshwar Lal Meena**, Jitendra Kumar Saini, Ajay Kumar Surela, Bhanupriya Mordhiya, Lata Kumari Chhachhia and Kamod Singh Meena, Fabrication of Polyaniline-Supported MnO₂ Nanocomposite for Removal of Water Pollutant: Kinetic and Isotherm Studies, *ChemistrySelect* (**Wiley**), 8, e202300724, 2023. <https://doi.org/10.1002/slct.202300724> (IF=2.3)
7. **Parmeshwar Lal Meena**, Krishna Poswal, Ajay Kumar Surela, Bhanupriya Mordhiya and Kamod Singh Meena, Ag₂O Adorned ZnO Nanostructures: Cooperative and Sustainable Nanomaterial System for Effective Reduction and Mineralization of Hazardous Water Pollutants, *Environmental Science and Pollution Research* (**Springer**), 30, 68770–68791, 2023. <https://doi.org/10.1007/s11356-023-27215-7> (IF=5.8)
8. **Parmeshwar Lal Meena**, Jitendra Kumar Saini and Ajay Kumar Surela, Granite Waste Mediated Synthesis of Polyaniline Nanofibers for the Catalytic Reduction of Hazardous Organic Water Toxins, *Inorganic Chemical Communications* (**Elsevier**), 152, 110688, 2023. <https://doi.org/10.1016/j.inoche.2023.110688> (IF=3.8)
9. **Parmeshwar Lal Meena**, J. Kumar Saini, Synthesis of Polymer-Metal Oxide (PANI/ZnO/MnO₂) Ternary Nanocomposite for Effective Removal of Water Pollutants, *Results in Chemistry* (**Elsevier**), 100764, 2023. doi: <https://doi.org/10.1016/j.rechem.2023.100764> (IF=2.3)
10. **Parmeshwar Lal Meena**, Krishna Poswal, Ajay Kumar Surela and Jitendra Kumar Saini, Synthesis of graphitic carbon nitride/zinc oxide (g-C₃N₄/ZnO) hybrid nanostructures and investigation of the effect of ZnO on the photodegradation activity of g-C₃N₄ against the brilliant cresyl blue (BCB) dye under visible light irradiation, *Advanced Composites and Hybrid Materials* (**Springer**), 6:16, 2023. <https://doi.org/10.1007/s42114-022-00577-1> (IF=20.1)

11. Arvind Kumar, Mahendra Kumar Gora, Ganesh Lal, Banwari Lal Choudhary, **Parmeshwar Lal Meena**, Rajendra Singh Dhaka, Rishi Kumar Singhal, Sudhish Kumar, Satya Narain Dolia, Impact of Gd^{3+} Doping on Structural, Electronic, Magnetic, and Photocatalytic Properties of $MnFe_2O_4$ Nanoferrites and Application in Dye-polluted Wastewater Remediation, *Environmental Science and Pollution Research* (**Springer**), 30:18820–18842, 2023 (**Springer**) <https://doi.org/10.1007/s11356-022-23420-y> (**IF=5.8**)
12. **Parmeshwar Lal Meena**, Study on the Hydrogeochemical Processes Regulating the Groundwater Chemistry in the South East Rajasthan (India). *Jour. Geol. Soc. India* (**Springer**) 98:1455-1465, 2022. <https://doi.org/10.1007/s12594-022-2193-9>. (**IF=1.3**)
13. **Parmeshwar Lal Meena**, Jitendra Kumar Saini, Ajay Kumar Surela, Krishna Poswal, Kinetic and Equilibrium Study of Trinitrophenol Adsorption onto Polyaniline Tea Waste Nanocomposite from Aqueous Medium. *Holistic Approach Environ.* (**Scopus Indexed**) 12(4):131 – 143, 2022. <https://doi.org/10.33765/thate.12.4.1>
14. **Parmeshwar Lal Meena**, Ajay Kumar Surela, Krishna Poswal, Jitendra Kumar Saini, Lata Kumari Chhachhia. *Millettia Pinnata* Plant Pod Extract-Mediated Synthesis of Bi_2O_3 for Degradation of Water Pollutants. *Environmental Science and Pollution Research* (**Springer**), 29:79253–79271, 2022. <https://doi.org/10.1007/s11356-022-21435-z>. (**IF=5.8**)
15. **Parmeshwar Lal Meena**, Ajay Kumar Surela, Krishna Poswal, Jitendra Kumar Saini, Lata Kumari Chhachhia, Biogenic Synthesis of Bi_2O_3 Nanoparticles Using Cassia fistula Plant Pod Extract for the Effective Degradation of Organic Dyes in Aqueous Medium, *Biomass Conversion and Biorefinery* (**Springer**), 2022. DOI:10.1007/s13399-022-02605-y (**IF=4.0**)
16. **Parmeshwar Lal Meena**, Krishna Poswal, Ajay Kumar Surela, Facile Synthesis of ZnO Nanoparticles for the Effective Photodegradation of Malachite Green (MG) Dye in Aqueous Solution. *Water and Environment Journal* (**Wiley**), 2022. DOI: 10.1111/wej.12783. (**IF=2.07**)
17. **Parmeshwar Lal Meena**, Jitendra Kumar Saini, Ajay Kumar Surela, Krishna Poswal, Lata Kumari Chhachhia, Fabrication of Polyaniline-Coated Porous and Fibrous Nanocomposite with Granular Morphology Using Tea Waste Carbon for Effective Removal of Rhodamine B Dye from Water Samples, *Biomass Conversion and Biorefinery* (**Springer**), 2022. <https://doi.org/10.1007/s13399-021-02267-2>. (**IF=4.0**)
18. **Parmeshwar Lal Meena**, Krishna Poswal, Ajay Kumar Surela and Jitendra Kumar Saini, Facile synthesis of $ZnO/CuO/Ag_2O$ ternary metal oxide nanocomposite for effective photodegradation of organic water pollutants. *Water Science & Technology*, 84(9), 2615, 2021. doi: 10.2166/wst.2021.431. (**IF= 2.7**)
19. **Parmeshwar Lal Meena**, Krishna Poswal and Ajay Kumar Surela, Fabrication of ZnO/CuO Hybrid Nanocomposite for Photocatalytic Degradation of Brilliant Cresyl Blue (BCB) Dye in Aqueous Solutions, *J. Water Environ. Nanotechnol.* (**Scopus indexed**) 6(3):196-211, 2021. <https://doi.org/10.22090/jwent.2021.03.001> ISSN 2476-6615.
20. **P. L. Meena**, jj Coupling Treatment to the Nonequivalent $f^n f^{n'}$ Electrons for jj Terms and J Levels Determination, *Chemical Problems*, (**Scopus indexed**) 257-272, 2 (18), 2020.
21. Nitin Kumar and **P. L. Meena**, Comparative Study of Specific Gravity of HPCA and LPCA Oils for sSBR Based Green Compounds, *Research Journal of Life Science Bioinformatics, Pharmaceutical and Chemical Sciences*, (**Scopus indexed**) 5(3), 150-155, 2019.
22. **P. L. Meena**, jj Terms for Non equivalent Electrons in $d^x p^y s^z$ Configurations, *Journal of Science Education*, 19(1), 52-60, 2018.

23. **P. L. Meena**, j-j Coupled Atomic Terms for Nonequivalent Electrons of $(n-1)f^x nd^1$ Configurations and Correlation with L-S Terms, *Chemistry: Bulgarian Journal of Science Education*, (**Scopus indexed**) 27(2), 266-278, 2018.
24. A. S. Meena, **P. L. Meena**, S. L. Meena, R. C. Meena, Photochemical Studies of Photosensitive Compound in DSS Cell, *Journal of Semiconductor Devices and Circuits*, JoSDC, 4(3), 21-29, 2017.
25. **P. L. Meena**, A. S. Meena and K. S. Meena, LS Coupled Atomic Term Symbols for nf^7 Configuration, *Journal of Modern Chemistry & Chemical Technology*, 8(2), 20-29, 2017.
26. **P. L. Meena** and K. S. Meena; Nitrate Contamination in Ground Water Sources of Jahazpur Tehsil, North West India: Causes, Effects and Prevention, *Advances in Water Science and Technology*, 4(1), 11-18, 2017.
27. **P. L. Meena**, A. S. Meena, N. Kumar and K. S. Meena; Determination of Hydro-Chemical Characteristics of Ground Water for Assessment of Quality for Drinking and other Domestic Purposes in North East Bhilwara, Rajasthan, India, *European Journal of Advances in Engineering and Technology*, 3(9): 20-27, 2016.
28. **P. L. Meena**, P. K. Jain and K. S. Meena; Assessment of Ground Water Quality and its Suitability for Drinking and Domestic Uses by Using WQI and Statistical Analysis in River Basin Area in Jahazpur Tehsil, Bhilwara District (Rajasthan, India), *Int. J. Curr. Microbiol. App. Sci.*, 5(3), 415-427, 2016.
29. **P. L. Meena**, A. S. Meena, K. S. Meena and P. K. Jain; Fluoride Toxicity in Ground Water of Banas River Basin Area of Jahazpur Tehsil (Bhilwara, Rajasthan, India) and its Impact, Causes and Prevention, *Advances in Water Science and Technology*, 3(1), 1-11, 2016.
30. **P. L. Meena**, N. Kumar, A. S. Meena and K. S. Meena; Assessment of Water Quality Using Physico-Chemical of Ground Water of Bhilwara City and Periphery Villages (Rajasthan), *Int. Arch. App. Sci. Technol.*, 6(1), 17-21, 2015.
31. **P. L. Meena**, A. S. Meena and K. S. Meena; A Simple Method for Obtaining Russell-Saunders Atomic Terms For Equivalent Electrons of nf^6 Configuration, *The Journal of Science and Technology*, 4(1), 23-27, 2015.
32. **P. L. Meena**, A. S. Meena, K. S. Meena, P. K. Jain and N. Kumar; Comparative Study of Fluoride Toxicity in Ground Water of Hilly Terrain Area and Banas River Basin Area of Eastern Bhilwara (Rajasthan, India) and its Impact, Causes and Prevention, *Der Chemica Sinica*, 6(10), 19-24, 2015.
33. **P. L. Meena**, N. Kumar, A. S. Meena and K. S. Meena; Obtaining jj Coupled Spectroscopic Terms for Nonequivalent Electrons of $(n-1)f^2 nd^1$ Configuration, *Chem. Educator*, 20, 34-38, 2015.
34. N. Kumar, **P. L. Meena**, A. S. Meena and K. S. Meena; Mechanical Properties of sSBR Styrene 40%, Vinyl Content 46% Based Truck Tyre Tread Cap Compounds With Lpca and Hpca Oils, *Int. J. Adv. Res. Eng. & Tech.*, 5 (2), 121-127, 2014.
35. **P. L. Meena**, N. Kumar, A. S. Meena and K. S. Meena; Comparative Studies on Russell-Saunders Atomic Term Symbols (Terms) for Equivalent Electrons of nf^4 and nf^{10} Configurations, *Bulgarian Chemical Communications*, 46(1), 141-149, 2014.
36. **P. L. Meena**, N. Kumar, A. S. Meena, K. S. Meena and P. K. Jain; Calculation of Atomic Spectroscopic Terms for f^2 and f^{12} Orbital Configuration, Assigning the Term Symbols and a Comparative Study, *Bulgarian Chemical Communications*, 45(3), 388-393, 2013.

37. **P. L. Meena**, N. Kumar, K. M. Meena and A. S. Meena; Atomic Term Symbols (Terms) for Nonequivalent Electrons of $(n-1)f^3 nd^1$ Configuration via Russell- Saunders Coupling Scheme, *International Journal of Chemistry*, 34 (2), 1236-1242, 2013.
38. **P. L. Meena**, N. Kumar, K. S. Meena and A. S. Meena; Studies on Atomic Spectroscopic Terms and Term Symbols of Non-equivalent Electrons of $d^2s^1p^1$ Configuration Using Russell-Saunders Coupling Scheme, *Research J. Chem. Sci.*, 3(4), 19-24, 2013.
39. A. S. Meena, **P. L. Meena**, M. Chandra, R. Meena, Sribai and R. C. Meena; Electrochemical Studies of Anionic and Cationic Surfactants in Photogalvanic Cell for Solar Energy Conversion and Storage, *Int. J. Elect. Eng. & Tech.*, 4(4), 180-187, 2013. ISSN: 0976-6545
40. A. S. Meena, **P. L. Meena**, R. C. Meena and M. Chandra; Role of an Anionic Surfactant and Reductant in Photogalvanic Cell for Solar Energy Conversion and Storage, *Int. J. Renewable Energy Research*, 3(2), 276-282, 2013.
41. K. S. Meena, R. K. Gunsaria, Kanta Meena. N. Kumar and **P. L. Meena**; Ground Water Quality Assessment of Rural Areas of Deoli Tehsil, Tonk District, Rajasthan with Special Reference to Fluoride Analysis, *Asian Journal of Chemistry*, 24(12), 5906-5908, 2012.
42. N. Kumar, R. K. Khandelwal, K. S. Meena and **P. L. Meena**; Comparison of HCPA Oil Tyre Tread Cap Compound With LPCA Oil, *Asian Journal of Chemistry*, 24(12), 5951-5952, 2012.
43. **P. L. Meena**, P. K. Jain, N. Kumar and K. S. Meena; Calculation of Atomic Spectroscopic Terms for Nonequivalent Electrons of f^2d^1 Configuration and Assigning the Term Symbols, *Asian Journal of Chemistry*, 24(12), 5677-5679, 2012.
44. K. S. Meena, R. K. Gunsaria, Kanta Meena, N. Kumar and **P. L. Meena**; The Problem of Hardness in Ground Water of Deoli Tehsil (Tonk District) Rajasthan, *J. Curr. Chem. Pharm. Sci.*: 2(1), 50-54, 2012.
45. **P. L. Meena**, P. K. Jain, N. Kumar and K. S. Meena; A Comparative Study of the Atomic Term Symbols of f^3 and f^{11} Configuration, *Acta Chim. Pharm. Indica*, 2(1), 32-45, 2012.
46. K. S. Meena, R. K. Gunsaria N. Kumar, **P. L. Meena**, R. R. Meena and Kanta Meena; Fluoride Contaminated Ground Water and its Implications on Human Health in Deoli Tehsil (Tonk District) in Rajasthan, *J. Chem. Bio. Phy. Sci.* 1(2), 275-282, 2012.
47. N. Kumar, R. K. Khandelwal, **P. L. Meena**, K. S. Meena, T. K. Chaki, D. K. Mahla and S. Dasgupta; Chemical Analysis on Different Oils Use in Tyre Tread Cap Compound, *Int. Journal of Chemical, Environ. And Pharm. Research*, 2(1), 12-19, 2011.
48. K. S. Meena, R. K. Gunsaria, N. Kumar, **P. L. Meena**, R. R. Meena and Kanta Meena; Nitrate Contaminations in Ground Water of Villages of Deoli Tehsil (Tonk District) Rajasthan, *J. Chem. Bio. Phy. Sci.*, 1(1), 102-105, 2011.
49. N. Kumar, R. K. Khandelwal, **P. L. Meena**, K. S. Meena, T. K. Chaki and D. K. Mahla; Rheological Analysis on different Oils use in Tyre Tread Cap Compound, *J. Chem. Bio. Phy. Sci.*, 1(1), 83- 87, 2011.
50. **P. L. Meena**, P. K. Jain, N. Kumar, K. S. Meena and R. Goyal; Study on the Atomic Term Symbols for f^4 (M^{+3} free ion) Configuration, *J. Chem. Bio. Phy. Sci.*, 1(2), 188-203, 2011.
51. **P. L. Meena**, P. K. Jain, N. Kumar and K. S. Meena; Study on the Atomic Term Symbols for f^3 (M^{+3} free ion) Configuration, *Int. J. Chem.*, 9(3), 1364-1372, 2011.

Publications (Conference Proceeding)

1. **P. L. Meena**, A. S. Meena, K. S. Meena and N. Kumar; Fluoride in Ground Water of Rajasthan, India a Challenging Toxicological and Geo-environmental Issue: A Review, *Proceedings of National Conference on Science & Technology for the Moral Development of Youth- Challenges and Opportunities (Abhyutthanam-2017)*, Organized by IMCT Foundation, Jaipur, India, PP 1-6, 2017, ISBN-978-93-5281-115-1.
2. A. S. Meena, **P. L. Meena**, M. L. Meena and Jagdeesh Meena; Role of Cationic Surfactant on Electric Parameter of Solar Cell for Generation of Electric Energy, *Proceedings of National Conference on Science & Technology for the Moral Development of Youth- Challenges and Opportunities, (Abhyutthanam-2017)*, Organized by IMCT Foundation, Jaipur, India, PP 195-199, 2017, ISBN-978-93-5281-115-1.
3. **P. L. Meena**, A. S. Meena, K. S. Meena and N. Kumar; Assessment of Hydro-Chemical Characteristics of Ground Water for Suitability of Irrigational Purpose in Bhilwara, Rajasthan, India, *Proceedings of International Conference on Recent Trends in Chemical Sciences: Global Prospective and Progress-2016*, Organized by Department of Chemistry, S.G.G. Govt. College, Banswara (Rajasthan), India, 1-8, 2016. ISBN-978-93-5265-436-9.
4. A. S. Meena and **P. L. Meena**; Dye Sensitized Solar Cell for Generation of Electrical Energy from Solar Energy, *Proceedings of International Conference on Recent Trends in Chemical Sciences: Global Prospective and Progress-2016*, Organized by Department of Chemistry, S.G.G. Govt. College, Banswara (Rajasthan), India, 9-13, 2016. ISBN-978-93-5265-436-9.
5. **P. L. Meena**, A. S. Meena, K. S. Meena and P. K. Jain; Ground Water Quality Status with Special Emphasis to Fluoride Concentration in Hilly Terrain Area of Jahazpur Tehsil, District Bhilwara, Rajasthan, India and its Impact on Human Health, *Proceedings of National Seminar on Recent Trends in Chemical Sciences: Global Opportunities and Challenges-2016*, Organized by Department of Chemistry, S.G.G. Govt. College, Banswara (Rajasthan), India, 122-127, 2016. ISBN-978-93-5254-671-8.
6. A. S. Meena, **P. L. Meena** and Swati Meena; Role of Heterocyclic Dye (Rhodamine 6G) with Surfactant and Reductant in Photogalvanic Cell for Solar Energy Conversion and Storage, *Proceedings of National Seminar on Recent Trends in Chemical Sciences: Global Opportunities and Challenges-2016*, Organized by Department of Chemistry, S.G.G. Govt. College, Banswara (Rajasthan), India, 227-234, 2016. ISBN-978-93-5254-671-8.
7. K. S. Meena, **P. L. Meena**, N. Kumar and Kanta Meena; Causes Effect and Removal of High Fluoride in Drinking Water of Deoli Tehsil, Tonk District (Rajasthan), *Proceedings National Conference* Organized by Department of Botany, M.L.V. Govt. Bhilwara (Rajasthan), India, 216-221, 2012. ISBN: 978-81-7233-843-5.
8. **P. L. Meena**, N. Sharma, P. K. Jain and R. R. Meena; Physico-Chemical Analysis of Ground Water of Selected Area of Bhilwara City (Rajasthan) India, *Proceedings of National Conference (EVIAC-2010)* Organized by Department of Chemistry, M.L.V. Govt. College, Bhilwara (Rajasthan), India, 42-44, 2010.
9. N. Kumar, **P. L. Meena**, K. S. Meena and R. K. Khandelwal; Chemical Analysis of Oils Use in Tyre Tread Cap Compound, *Proceedings of National Conference (EVIAC-2010)* Organized by Department of Chemistry, M. L.V. Govt. College, Bhilwara (Rajasthan), India, 123-127, 2010.

Paper Published in Edited Book (Book Chapters)

1. **Parmeshwar Lal Meena**, Ajay Kumar Surela, Lata Kumari Chhachhia, Vikash Kumar Surela, Polypyrrole-based Composites for Dyes Removal from Contaminated Water, 2024 (**accepted**) (**Elsevier**)
2. **Parmeshwar Lal Meena**, Ajay Kumar Surela, Carbon-Polyaniline Composite Adsorbents for Aqueous Pollutants Uptake, 2024. (**Elsevier**). <https://doi.org/10.1016/B978-0-323-95486-0.00003-X>
3. **Parmeshwar Lal Meena**, Krishna Poswal, Ajay Kumar Surela, Jitendra Kumar Saini, Fabrication of ZnO/CuO Hybrid Nanocomposites for Photocatalytic Degradation of Methylene Blue (MB) Dye in Aqueous Solution, 227-242, 2021. Recent Trends in Chemical & Environmental Sciences, ISBN: 978-81-953220-0-8, Delta Print House, Jaipur (India).
4. **Parmeshwar Lal Meena** and Kamod Singh Meena, Correlation study of Nitrate and Fluoride with other Physicochemical Parameters of Ground Waters in Southeast Rajasthan (India), 57-70, 2021. Recent Trends in Chemical & Environmental Sciences, ISBN: 978-81-953220-0-8, Delta Print House, Jaipur (India).

Book Published

Title	ISBN NO.	Publisher	Year
Russell Saunders Terms for f-orbital Configurations	978-620-2-00610-1	Lambert Academic Publishing, Saarbrücken, Germany	2017

Work Shop/Seminar/Conference attended/Paper Presented

1. National Symposium on Material for Twenty First Century" (MTFC-2023), Organized by Society for Materials Chemistry-Jaipur Chapter and CCT, University of Rajasthan, Jaipur, India, August 12, 2023.
2. International Conference on Green Energy and Sustainable Environmental Practices (GESEP-2023), Organized by Department of Chemistry, University of Rajasthan, Jaipur, India, January 30-31, 2023
3. International Conference on Environmental Protection and Social Governance (EPSG-2023), Organized by Govt. College, Dudu and Govt. Girls College, Dudu, Jaipur (Rajasthan), January 27-28, 2023
4. International Conference on Renewable Energy, Centre for Non-Conventional Energy Resources (CNCER), Organized by University of Rajasthan, Jaipur, India in Association with International Association for Hydrogen Energy (IAHE), USA & MRSI, Rajasthan Chapter, February 25-27, 2022.
5. International Conference on Ecosystem Restoration and Environmental Sustainability: Concerns and Alternatives, Organized by Indira Gandhi Centre For Human Ecology, Environmental and Population Studies, University of Rajasthan, Jaipur, India, October 26-28, 2021
6. International E-Conference on Climate Change, Ethics and Sustainability, Jointly Organized by Department of Chemistry and Philosophy, M.S.J. Govt. College, Bharatpur (Rajasthan), India. January, 28, 2021.
7. International Webinar on Scientific Writing, Organized by Department of Chemistry, IIS (Deemed to be University), Jaipur in Association with Association of Chemistry Teachers (ACT) Mumbai. November, 27-28, 2020.

8. National Conference on Novel Development in Applied Chemical Science (NACS-2020), Organized by Department of Chemistry, S. S. Jain Subodh P.G. (Autonomous) College, Jaipur (Rajasthan), India, 27-28, Jan., 2020.
9. An International Conference on Emerging Challenges, Their Solutions and Recent Advances in Science (SCICON-1), Organized by Govt. Science College, Sikar (Rajasthan) India, 4-5 Oct. 2019
10. International Conference on Recent Advances at Interfaces of Physical and Life Sciences (RAIPLS-2019), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 28-30 January, 2019.
11. National Conference on Recent Advances at Interfaces of Physical and Life Sciences (RAIPLS-2018), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 6-7 July, 2018
12. National Seminar on Environmental Conservation and Waste Management: Challenges and Alternatives (2018), Organized by Indira Gandhi Centre of HEEPS, University of Rajasthan, Jaipur (Rajasthan), India, 5 June, 2018.
13. National Seminar on Forest, Water and Climate Change (2018), Organized by Indira Gandhi Centre of HEEPS, University of Rajasthan, Jaipur (Rajasthan), India, 21 March, 2018.
14. National Workshop and Training Programme on Intellectual Property Rights (IPR-2018), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 19 Feb., 2018.
15. International Conference (24th ISCBC-2018), Organized by Department of Chemistry, Manipal University, Jaipur (Rajasthan), India & ISCB, Lucknow (UP), India, 11-13 Jan., 2018.
16. International Conference on Commerce, Management, Social Science & Science (ICCMSSS-2017), Organized by Navbharat Memorial Foundation in association with L. B. S., P. G. College, Jaipur, (Rajasthan), India, 20-21 November, 2017.
17. National Conference on Science & Technology for the Moral Development of Youth- Challenges and Opportunities (Abhyutthanam-2017), Organized by IMCT Foundation, Jaipur, (Rajasthan), India, 02 September, 2017.
18. International Conference on Frontiers at the Chemistry-Allied Science Interface (FCASI-2017), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 22-23 July, 2017.
19. International Conference on Renewable Energy and Sustainable Environment: Challenges and Remedies (ICRESE-2017), Organized by Department of Energy, Shri Mata Vaishno Devi University, Katra, (Jammu & Kashmir), India, 20-21 March, 2017.
20. National Conference on Groundwater Quality, Water Conservation Management and Technology (NCGWCMT-2017), Organized by Department of Chemistry, Govt. R. R. (PG) Autonomous College, Alwar (Rajasthan), India, 20-21 January, 2017.
21. National Workshop and Training Programme on Intellectual Property Rights (IPR-2017), Organized by Department of Chemistry, M.L.V. Govt. College, Bhilwara (Rajasthan), India, 18, Jan., 2017.
22. राष्ट्रीय हिन्दी विज्ञान सम्मेलन-2016, राजस्थान विश्वविद्यालय, जयपुर, (राजस्थान), भारत, 16-17 दिसंबर, 2016.
23. International Seminar on Recent Trends in Chemical Sciences: Global Prospective and Progress (2016), Organized by Department of Chemistry, S.G.G. Govt. College, Banswara (Rajasthan), India, 28-29 November, 2016.

24. National Conference on Sustainable Chemical and Material Sciences (SCMS 2016), Organized by Department of Chemistry, S. S. Jain Subodh P.G. (Autonomous) College, Jaipur (Rajasthan), India, 5-6 August, 2016.
25. International Conference on Frontiers at the Chemistry-Allied Science Interface (FCASI-2016), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 25-26 April, 2016.
26. National Workshop on Use of Technical Terminology in Higher Education (2016), Organized by Department of Hindi, J. N. V. University, Jodhpur (Rajasthan), India, 27-28 March, 2016.
27. National Seminar on Environment (2016), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 19 March, 2016.
28. National Seminar on Recent Trends in Chemical Sciences: Global Opportunities and Challenges (2016), Organized by Department of Chemistry, S.G.G. Govt. College, Banswara (Rajasthan), India, 18-19 January, 2016.
29. 52nd Annual Convention of Chemists and International Conference in Recent advances in Chemistry (2015), Organized by Indian Chemical Society, Kolkata and JECRC, University, Jaipur (Rajasthan), India, 28-30 December, 2015.
30. National Conference on Environmental Pollution, Health Hazards and Prevention (NCEPHHP-2015), Organized by Department of Chemistry, M. S. J. Govt. College, Bhartpur, (Rajasthan), India, 11-12 December, 2015.
31. National Workshop on Basic Aspects of Quantum and Theoretical Chemistry and Applications (BAQTCA 2015), Organized by Department of Chemistry, Govt. College, Tonk and Poornima University, Jaipur (Rajasthan), India, 17-21 August, 2015.
32. National Seminar on Environmental Science Conservation and Resource Management: Issues and Strategies for Sustainable Future (2015), Organized by Indira Gandhi Centre of HEEPS, University of Rajasthan, Jaipur (Rajasthan), India, 5 June, 2015.
33. National Conference on Frontiers at the Chemistry-Allied Science Interface (FCASI-2015), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 13-14 March, 2015.
34. National Conference on Harmony with Nature in Context of Environmental Issues and Challenges of the 21st Century (HARMONY-2015), Organized by Department of Environmental Science, M. L. S. University, Udaipur (Rajasthan), India, 28-29 November, 2014.
35. National Conference on Emerging Areas in Chemical education and Research and National Convention of Chemistry Teachers (NCCT-2014), Organized by Department of Chemistry, The IIS University, Jaipur (Rajasthan), India, 16-18 October, 2014.
36. National Seminar on Research Methodology (2013), Organized by Department of Chemistry, Pacific University, Udaipur (Rajasthan), India, 10-11 August, 2013.
37. National Seminar on Climate Changes & Biodiversity (2013), Organized by Department of Environmental Science, M. L. S. University, Udaipur (Rajasthan), India, 17-18 April, 2013.
38. International Conference (19th ISCBC-2013), Organized by Department of Chemistry, M. L. S. University, Udaipur (Rajasthan), India & ISCB, Lucknow (UP), India. 2-5 March, 2013.
39. International Conference (CCC-2012), Organized by Department of Chemistry, NIT Jalandhar (Punjab), India, 10-12 September, 2012.
40. Work Shop on Research Methodologies (2012), Organized by M. L. S. University, Udaipur (Rajasthan), India, 21-27 April, 2012.

41. International Conference (ICGTCS-2012), Organized by Asian Journal Chemistry at Udaipur, (Rajasthan), India, 9-11 March, 2012.
42. International Conference (GTER-2012), Organized by Faculty of Engineering & Technology, Gurukul Kangri University, Haridwar (Uttarakhand), India, 11-13 February, 2012.
43. National Conference (NCCSNM-2012), Organized by Department of Chemistry, Pacific University, Udaipur, (Rajasthan), India, 8 January, 2012.
44. National Workshop (RASET 2011), Organized by Department of Chemistry, Govt. College Tonk, (Rajasthan), India, 21-22 December, 2011.
45. International Conference (ICGC-2011), Organized by Department of Chemistry, Central university of Rajasthan, Kishangarh, Ajmer, (Rajasthan), India, 7-9 December, 2011.
46. College Level Conference (2011), Organized by M. L. V. Govt. College, Bhilwara, (Rajasthan), India, 13 March, 2011.
47. International Conference on Frontiers and Challenges (2011), Organized by Department of Chemistry, Aligarh Muslim University, Aligarh (UP), India, 5-6 March, 2011.
48. National Conference (EVIAC-2010), Organized by Department of Chemistry, M.L.V. Govt. College, Bhilwara (Rajasthan), India, 17-18 December, 2010.
49. National Conference on Environmental Challenges (2010), Organized jointly by Chemistry Alumni M.L.V. Govt. College, Bhilwara and Nagar Parishad, Bhilwara, (Rajasthan), India, April, 2, 2010.

Members of Organizing Committees of Conference/Seminar/Workshop

1. Organizing Secretary, International Conference on “Recent Advances at Interfaces of Physical and Life Sciences” (RAIPLS-2019), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 28-30 Jan., 2019.
2. Organizing Secretary, National Conference on Recent Advances at Interfaces of Physical and Life Sciences (RAIPLS-2018), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 6-7 July, 2018.
3. International Conference on Frontiers at the Chemistry-Allied Science Interface (FCASI-2016), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 25-26 April, 2016.
4. National Conference on Environmental Pollution, Health Hazards and Prevention (NCEPHHP-2015), Organized by Department of Chemistry, M. S. J. Govt. College, Bhartpur, (Rajasthan), India, 11-12 December, 2015
5. National Conference on Frontiers at the Chemistry –Allied Science Interface (FCASI-2015), Organized by Department of Chemistry, University of Rajasthan, Jaipur (Rajasthan), India, 13-14 March, 2015.
6. 19thISCB-2013, International conference, Department of Chemistry, M. L. S. University, Udaipur (Rajasthan), India & ISCB, CDRI, Lucknow (UP), 2-5 March, 2013.
7. Emerging Views in Advanced Chemistry (EVIAC-2010) UGC Sponsored National conference, Department of Chemistry, M. L. V. Govt. College, Bhilwara (Rajasthan), India, 17-18 December, 2010.

Invited Talk/Lectures Delivered

1. **Atomic Term Symbol Studies**, National Workshop in Recent Advances in Chemistry-2018 on 15 Dec., 2018, Department of Chemistry, Sri Balaji PG Mahavidyalaya, Jaipur.

(Dr. Parmeshwar Lal Meena)