LIST OF PUBLICATIONS

Priti Malhotra

1. Maruf Chauhan, Sushma Yadav, Rama Pasricha, and Priti Malhotra, Water Chestnut Peel Facilitated Biogenic Synthesis of Zinc Oxide Nanoparticles and their Catalytic Efficacy in the Ring Opening Reaction of Styrene Oxide, Chemistry Select, doi.org/10.1002/slct.202102031. (*UGC Listed, IF- 2.1*)
2. Priti Malhotra and Arti Jain, Graphene oxide-based nanocomposites for adsorptive removal of water pollutants, *Contamination of Water*, 2021, DOI: 10.1016/B978-0-12-824058-8.00031-1
3. Sushma Yadav, Arti Jain, Priti Malhotra. Bioinspired synthesis and green ecological applications of reduced graphene oxide based ternary nanocomposites, *Sustainable Materials and Technologies,* Volume 29, 2021, e00315, ISSN 2214-9937, https://doi.org/10.1016/j.susmat.2021.e00315. *(UGC Listed, IF-7.05)*
4. Arti Jain, Sushma Yadav, Priti Malhotra, Accidental synthesis of a trimer of pyrazolone and comparison of its antioxidant activity: an investigatory report. *J Chem Sci* 133, 77 (2021). https://doi.org/10.1007/s12039-021-01943-0 *(UGC Listed, IF-1.5).*
5. Anita Garg Mangla, Neeru Dhamija, Priti Malhotra, Tanya Kalra, Parthvi Mahendru, Shreya Kandpal and Divyangi Dubey, INDIA SEEMS TO BE BETTER PLACED IN FIGHTING AGAINST COVID-19: A REVIEW, *Int. J. Adv. Res.,* 2020, 8(06), 711-717. *(Peer reviewed)*
6. SushmaYadav, Maruf Chauhan, Divya Mathur, Arti Jain, Priti Malhotra, Sugarcane bagasse-facilitated benign synthesis of Cu_2O nanoparticles and its role in photocatalytic degradation of toxic dyes: a trash to treasure approach. *Environ Dev Sustain* (2020). https://doi.org/10.1007/s10668-020-00664-7 *(UGC Listed, IF-2.19)*
7. Sushma Yadav, Arti Jain, Priti Malhotra A review on the sustainable routes for the synthesis and applications of cuprous oxide nanoparticles and their nanocomposites, Green Chem., 2019,21, 937-955. *(UGC Listed, IF-9.45)*
8. Priti Malhotra, Arti Jain and Ritu Payal, Porous Silica nanoparticles from Rice Husk for the Elimination of Erichrome Black T (EBT) from Laboratory Waste Water, *Chapter in Green Chemistry and Environmental Sustainability*, published by Springer, ISBN: 978-981-10-8389-1, 2018. *(Peer reviewed)*
9. Ritu Payal, Arti Jain and Priti Malhotra, Use of Cost Effective Kitchen Ingredients in Acid-Base Titrations: A Greener Approach, *Chapter in Green Chemistry and Environmental Sustainability*, published by Springer, ISBN: 978-981-10-8389-1, 2018. *(Peer reviewed)*
10. Priti Malhotra and Divya Mathur, Exploring New Dimensions of Polyvinyl-alcohol (PVA), *Conference Proceedings of the National Conference on Innovations in Sciences and Emerging Challenges in Health and Environment*, Page 40-46, 2018, ISBN: 9788192981246. *(Peer reviewed)*
11. Divya Mathur, Priti Malhotra, Maruf Chauhan and Sushma Yadav, Biogenic Synthesis of Iron Nanoparticles and their Applications, *Conference Proceedings of the National*

Conference on Innovations in Sciences and Emerging Challenges in Health and Environment, Page 78-85, 2018, ISBN: 9788192981246. *(Peer reviewed)*

12. Priti Malhotra, Arti Jain and Ritu Payal, Low-cost nanoparticles sorbent from modified agricultural waste efficient removal of Pb(II) from water, *Conference Proceedings of theUGC-sponsored National Conference in Chemistry: Environment and Harmonious Development* organized by ShyamLal College, University of Delhi, 159-161, 2016, ISBN:9789385824012. *(Peer reviewed)*
13. Anjali Verma, Divya Mathur and Priti Malhotra, Green Synthesis of Zero Valent Iron Nanoparticles (Fe NP) Employing Plant Extracts, *Conference Proceedings of the UGC-sponsored National Conference in Chemistry: Environment and Harmonious Development* organized by Shyam Lal College, University of Delhi, Page 84, 2016, ISBN: 9789385824012. *(Peer reviewed)*
14. Rekha Kathal, Priti Malhotra, Lalit Kumar and Prem Uniyal, Phytoextraction of Pb and Ni from the Polluted Soil by Brassica juncea L.. *Journal of Environmental & Analytical Toxicology*, 2016, 6, DOI-10.4172/2161-0525.1000394. *(Peer reviewed)*
15. Priti Malhotra and Arti Jain; Role of Nanotechnology As A Tool for Sustainability: Potential of Zerovalent Metal Naoparticles (ZVN) and Their Metal Composites in Environmental Remediation, *International Journal of Mathematics and Physical Sciences Research*, 2016, 3, 2, 143-150. *(Peer reviewed)*
16. Priti Malhotra, Rekha Kathal and Aditi Puri, Iron Nanoparticles Catalyzed Degradation of Organic Dyes in Water for Environmental Remediation, *Journal of Basic and Applied Engineering Research*, 2016, 3, 1, 41-43. *(Peer reviewed, IF-0.26)*
17. Priti Malhotra, Arti Jain and RituPayal, Drinking Water and Health: A Unique Solution for Remediation of Contaminated Water for Sustainable Health, *Journal of Basic and Applied Engineering Research*, 2016, 3, 44-47. *(Peer reviewed)*
18. Rekha Kathal, Priti Malhotra and Vidhi Chaudhary, Phytoremediation-A Greener and Sustainable Technology for Controlling Toxicity of Copper in Soil, *Journal of Basic and Applied Engineering Research*, 2016, 3, 1, 56-59. *(Peer reviewed, IF-0.26)*
19. Priti Malhotra, Ritu Payal and Arti Jain, Whether to Worry with Waste: A Review On Activated Carbon Precursors From Various Waste Materials, *International Journal ofAdvanced Research*, 2016, 4 14-20. *(Peer reviewed)*
20. Priti Malhotra, Divya Mathur and Jitendra Singh, Green Synthesis of Iron Oxide Nanoparticles using Cinnamon Zeylanicum Powder extract. *International Journal of Chemistry and Pharmaceutical Science*, 2016, 4, 7, 366. *(Peer reviewed)*.

Arti jain

1. Sushma Yadav, Arti Jain, Priti Malhotra*. Bioinspired synthesis and green ecological applications of reduced graphene oxide based ternary nanocomposites, *Sustainable Materials and Technologies,* Volume 29, 2021, e00315, ISSN 2214-9937, https://doi.org/10.1016/j.susmat.2021.e00315. *(UGC Listed, IF-7.05*
2. Arti Jain, Sushma Yadav, Priti Malhotra*, Accidental synthesis of a trimer of pyrazolone and comparison of its antioxidant activity: an investigatory report. *J Chem Sci* 133, 77 (2021). https://doi.org/10.1007/s12039-021-01943-0 *(UGC Listed,*

IF-1.5).

3. Sushma Yadav, Maruf Chauhan, Divya Mathur, Arti Jain, Priti Malhotra Sugarcane bagasse‐facilitated benign synthesis of Cu2O nanoparticles and its role in photocatalytic degradation of toxic dyes: a trash to treasure approach, Environment, Development and Sustainability, https://doi.org/10.1007/s10668-020-00664-7

Anuradha

1. Study The Antioxidant Activity of 2-Bromo-3-hydroxy-2-nitropropylcinnamate (BNPC) Against Alcohol-induced Oxidative Damage. Rajesh Kumar Malik, Dharmendra Kumar Singh, **Anuradha**, Surendra Kumar, Asian Journal of Organic and Medicinal Chemistry, 2020, Vol5 Issue II, pp 156-160.
2. Study the Fluorescence pattern of 2-Bromo-3-hydroxy-2-nitropropylcinnamate (BNPC) with different ions and its application as ion-sensor. Rajesh Kumar Malik, Anuradha, Surendra Kumar and Neelam Kumari. Compliance Engineering Journal, 2020, Vol. 11, Issue 3, pp 1-6.
3. Synthesis and Characterization of 2-Bromo-3-hydroxy-2-nitropropyl cinnamate. Rajesh Kumar Malik, Surendra Kumar, Anuradha and Neelam Kumari. Chemical Science Transactions, 2019,Vol. 8, pp 520-524
4. Study the Anti-oxidant property of Tris(4-phenoxyphenyl) amine. Rajesh Kumar Malik, Surendra Kumar, Anuradha and Neelam Kumari. JETIR JUNE 2019, Vol. 6, Issue 6,806-808.
5. Synthesis of Fluorescent Conjugated Polyacrylic Acid (PAA). Rajesh Kumar Malik and Anuradha, ISST IJAC, Vol 9, No.1, 7-9, Jan-July 2018.
6. Synthesis and Characterization of Conjugated Tris-(4-phenoxyphenyl) amine by Conventional Method). Rajesh Kumar Malik, Jitendra Kumar Narwal, Surendra Kumar and Anuradha, Chemical Science Transactions, 2017, 6(1), 8-12.

Divya Mathur

1. Synthesis and Antitubercular Activity of 4,5‐Disubstituted N1‐(5′‐deoxythymidin‐5′‐yl)‐1,2,3‐triazoles R Kumar, D Bimal, M Kumar, **Divya Mathur**, J Maity, SK Singh, M Thirumal Chemistry Select 5 (28), 8839-8845; https://doi.org/10.1002/slct.202001854
2. Sugarcane bagasse-facilitated benign synthesis of Cu2O nanoparticles and its role in photocatalytic degradation of toxic dyes: a trash to treasure approach; Sushma Yadav, Maruf Chauhan, **Divya Mathur**, Arti Jain & Priti Malhotra, Environment, Development and Sustainability (2020); https://doi.org/10.1007/s10668-020-00664-7.
3. Biocatalyst CAL-B Catalyzed Synthesis of Modified Nucleosides: An Overview; Rajesh Kumar, Vijay Kumar, **Divya Mathur**, Ram Kumar, Arbind Kumar, Ashok K Prasad, Synthetic Communications, 2019, 49, 13, 1659- 1678