

# Dr. Sameena Mehtab

## Assistant Professor

### List of Important Research Papers:

1. S Sharma, S Mehtab, M Pandey, MGH Zaidi, S Rawat, Electrochemical Sensing of Triazole Drugs on Carbon Based Nanocomposites: A Review Research J. Pharm. and Tech. 16 (2), 2023, 969-974.
2. S Sharma, **S Mehtab**, MGH Zaidi, Supercritical processing of thermally stable multiwalled carbon nanotube/boron nitride nanohybrids with synergistically improved electrical conductivity, Materials Chemistry and Physics 296, 2023, 127278.
3. **S Mehtab**, MGH Zaidi, N Rana, K Khatai, S Sharma, [Thermal and DC conducting behaviour of haemoglobin-doped polypyrrole](#), Bulletin of Materials Science 45, 2022, 162.
4. P Joshi, **S Mehtab**, MGH Zaidi, [Electroanalysis of Simazine Release from Supercritically Derived Nanoferrrogels over Polypyrrole/Graphene Oxide Electrodes](#), Bulletin of the Chemical Society of Japan 95 (6), 2022, 855-861.
5. **S Mehtab**, MGH Zaidi, P Bhatt, P Joshi, T Agarwal, [Isoproturon \(IPU\) Electrochemical Sensing Based on a Polymethylmethacrylate Ferrite \(PMMA/M\(FexOy\)\) Nanocomposite Modified Electrode](#), Portugaliae Electrochimica Acta 40 (3), 2022, 209-222.
6. M Pandey, **S Mehtab**, MGH Zaidi, [Electrical behavior of working electrodes derived from Fly ash enriched epoxy](#), Materials Today: Proceedings 65, 2022, 3278-3281.
7. P Joshi, G Bisht, **S Mehtab**, MGH Zaidi, [Supercritical synthesis and studies on non-isothermal kinetics and thermodynamics of solid state decomposition of nanoferrrogels](#), Materials Today: Proceedings 62, 2022, 6814-6818.
8. P Maheshwari, A Misra, **S Mehtab**, MGH Zaidi, [Mechanical characteristics of epoxy nanocomposites derived through reinforcing carbonaceous fillers](#). Materials Today: Proceedings 62, 2022, 6489-6493.
9. S Sharma, **S Mehtab**, MGH Zaidi, Effect of baking, humidity and UV radiation on hexagonal boron nitride modified c-MWCNT nanohybrid electrodes, Materials Today: Proceedings 62, 2022, 6494-6497.
10. K Singhal, **S Mehtab**, M Pandey, MGH Zaidi, [Sustainable development of graphene oxide from pine leaves for electrochemical energy storage and corrosion protection](#), Current Research in Green and Sustainable Chemistry 5, 2022, 100266.
11. M Arif, **S Mehtab**, A Misra, MGH Zaidi, [Physical behavior of sandwich composite structures derived through bonding of poplar wood plies with clay/epoxy adhesives](#), Materials Today: Proceedings, 47, 2021, 4210-4213.
12. **S Mehtab**, P Joshi, MGH Zaidi, TI Siddiqui, VK Mishra, [COVID-19: Challenges, Preventive Measures and Remediation \(A-Review\)](#), Oriental Journal of Chemistry, 2021, 285-294.
13. K Khatai, **S Mehtab**, MGH Zaidi, I Joshi, S Rathore, [Haemoglobin graphite electrodes for electrochemical energy storage](#), Materials Today: Proceedings, 2021,1-5.
14. **S Mehtab**, MGH Zaidi, R Kunwar, K Singhal, TI Siddiqui, [Temperature-regulated morphology and electrical conductivity of nano tungsten carbide reinforced polyindole composites](#), International Journal of Polymer Analysis and Characterization, 2021, 1-13.
15. K Singhal, **S Mehtab**, MGH Zaidi, S Sharma, [Carbon Based Nanocomposites for Electrochemical Sensing of Adenine and Guanine Purine Bases: A Review](#) Nano Progress 3 (5), 2021, 1-9.
16. K Singhal, **S Mehtab**, BB Upreti, MGH Zaidi, [Recent Advances in Biochar Modification for Energy Storage in Supercapacitors: A Review](#), Adv. Mater. Lett. 12 (2), 2021, 21021599.

17. **S Mehtab**, MGH Zaidi, P Joshi, D Bawari, [Synthesis and characterization of barium titanate/polyacrylonitrile nanocomposite for electrochemical sensing of doxorubicin](#), IOP SciNotes 1 (3), 2020, 034201.
18. **S Mahtab**, P Joshi, B Arya, MGH Zaidi, TI Siddiqui, [Effect of Humidity on Electrical Conductivity of Graphite Nanocomposite Based Electrodes: A Review](#), Material Science Research India 17 (1), 2020, 8-15.
19. P Joshi, **S Mehtab**, MGH Zaidi, T Tyagi, A Bisht, [Development of polyindole/tungsten carbide nanocomposite-modified electrodes for electrochemical quantification of chlorpyrifos](#), Journal of Nanostructure in Chemistry 10 (1), 2020, 33-45.
20. S Sharma, P Joshi, **S Mehtab**, MGH Zaidi, K Singhal, TI Siddiqui, [Development of Non-enzymatic Cholesterol Electrochemical Sensor Based on Polyindole/Tungsten Carbide Nanocomposite](#), Journal of Analysis and Testing 4, 2020, 13–22.
21. **S Mehtab**, MGH Zaidi, P Joshi, [Metal Nanoparticles Based Electrochemical Biosensors for Cholesterol](#), J Nanomed Nanotech 11, 2020, 540.
22. **S Mahtab**, S Masroor, N Siddiqui, MGH Zaidi, [Modification in durability of mango wood through reactive reinforcement of polyacrylonitrile](#), Materials Today: Proceedings 26, 2020, 1831-1835.
23. SK Joshi, A Kumar, **S Mahtab**, MGH Zaidi, [Modification in mechanical, tribological & electrical properties of epoxy at low weight fraction of multiwalled carbon nanotube](#), Materials Today: Proceedings 26, 1836-1840
24. Rekha, A Bisht, I Joshi, S Sharma, **S Mehtab**, NK Sand, MGH Zaidi, Rare earth based conducting polymers: A review, International Journal of Chemical Studies 7 (3), 2019, 1246-1250.
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31. S Sharma, A Bisht, **S Mehtab**, MGH Zaidi, Nanocomposite modified electrode for cholesterol estimation: A review, Int. J. Chem. Stud., 6 (6), 2018, 1693-1698.
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