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LIST OF PUBLICATIONS

1. **Hydrothermally grown thin film ZnO nanorods, nanowires and nanoflowers for enhanced charge carrier dynamics in Photocatalytic reaction**, Ms. Ref. No.: MSB-D-20-00077, **Materials Science & Engineering B**, 2020, Accepted for publication. (I.F.: 4.7) ISSN: 0921:5107.
2. **Study on zinc oxide photocatalyst zinc oxide annealed at different temperatures for photodegradation of Eosin Y dye**, Nandini Sharma, Ranjana Jha, Sarita Baghel and Darshan Sharma, **Journal of Alloys and Compounds**, Elsevier, **2016**, Vol.695, 270-279, DOI: 10.1016/j.jallcom.2016.10.194, (I.F.: 3.133), ISSN: 0925-8388.
3. **Hydrothermally synthesized Stannic oxide nanohexagons**, Nandini Sharma, Ranjana Jha and Nikhil Jindal, **Materials Today: Proceedings Journal**, Elsevier, **2017**, ISSN: 2214-7853
4. **Sonochemical synthesis of Zinc Oxide nanoparticles**, Nandini Sharma and Ranjana Jha, **Advanced Materials Letters**, **2017**, Vol.2, Issue 5, 299- 303, DOI: 10.5185/amp/2017.504. (I.F.:1.46)
5. **Growth of Size-Controllable Tetragonal Rutile Stannic Oxide Nanostructures by Co- Precipitation Route for Eosin Y Dye Degradation under Solar Radiation**, Nandini Sharma, Ranjana Jha and Reetu Sharma, **Journal of Materials Science: Materials in Electronics**, **2017**, DOI: <https://doi.org/10.1007/s10854-017-8436-7>, Springer (I.F.: 2.019)
6. **Recent advances in utilization of wide band gap metal oxides for photocatalysis of organic waste**, Nandini Sharma, Ranjana Jha, Reetu Sharma, Nikhil Jindal and Siddhant Baweja, **International Journal of Nanostructures and Nanomaterials**, **2017**, Vol.3, Issue 2, eISSN:2455-5584.
7. **Aloe-vera gel mediated green synthesis of Ferric oxide nanoparticles**, Ranjana Dagar, Ranjana Jha and Nandini Sharma, **International Journal of Innovation in Engineering and Technology**, **2016**, Vol. 7, Issue 1, 663-668, ISSN: 2319-1058. (I.F.: 0.672)
8. **Influence of DL-Alanine Fuel Concentration on Structural and Magnetic properties of Nickel Ferrite nanoparticles**, Nandini Sharma and Ranjana Jha, **International Journal of Innovative Research in Science, Engineering and Technology**, **2015**, Vol. 4, Issue 5, 3508-3515, ISSN(Online) : 2319-8753, ISSN (Print) : 2347-6710, DOI: 10.15680/IJRSET.2015.04050103. (I.F.:6.2)

Books published

Book entitled “Principles of Nanotechnology: Analysis, Applications and Future Challenges”, **Nandini Sharma**, in Lambert Publishing House, Germany, ISBN: 978-620-2-52762-0.

Publications made in books

9. Chapter entitled “**Emerging Solar PV Technologies: A Paradigm shift**”, **Chapter-2** in book on “**Renewable Energy Systems**”, pp.39-52, Nova publishing group, ISBN: 978-1-53610-423-3.

Publications made in Conferences

10. Full paper in Conference proceedings book with ISBN number: ISBN-10:81-8454-162-5, 13th INTERNATIONAL CONGRESS SOLAR iCON-2016 entitled “Influence of solvent on the structure of ZnO nanoparticles”, held from January 28-30, 2016.
11. Full paper proceeding in book with ISBN number: ISBN-10:81-8454-162-5, 13th INTERNATIONAL CONGRESS SOLAR iCON-2016 entitled “Efficient cathode layer for Solar cells: A status review”, held from January 28-30, 2016.
12. Full paper in Conference proceedings book with ISBN number:978-93-5254-496-7, National Conference on Advancements in Electronics and Computer Applications, NCAECA-2016, University of Delhi; “Review Report of Recent Progress in Organic Solar Cells”, held from February 4-5, 2016.
13. Full paper in conference proceedings entitled “Recent developments of Zinc Oxide Nanostructures as Solar Photocatalysts”, International Conference on Recent Trends in Applied Physical, Chemical, Mathematics, Statistics and Energy Technology for Sustainable Development (APCMSET-2018), Jawaharlal Nehru University, New Delhi, India.