



- 1. Full Name:** Dr. Madhuri M. Bhagat
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- 4. Residential Address:** C1, 204, Anand Nagar, Lonere-402103
- 5. Educational Qualification:** M.Sc. Ph.D.
- 6. Field of Specialization and Research:** Nanomaterials, Photocatalysis, Material
Science
- 7. Name of Research Topic:** Synthesis, Characterization and
Photocatalytic Activity of Doped Metal
Sulphide.
- 8. Experience (in number of years):**
- Teaching:** 6 years
- Research:** 5 years
- 9. Publications:**
- International/ National Journals:** 07
- International/ National Conferences:** 06
- 10. Courses/Seminar/Conferences attended:**
1. Attended International Conference on Materials, Manufacturing and Design Engineering (ICMMD 2016) held at Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad, 20-21 Dec. 2016
 2. Attended Interdisciplinary State Level Conference on Science For Sustainable Development (ISCSSD) held at Anandibai Pradhan Science College, Nagothane, Dist-Raigad, 19th Dec. 2016
 3. Attended Transdisciplinary International Conference on Integrated Sustainability

Approaches in Sciences, Technology, Commerce and Social Sciences: Current Research and Future Perspective 23rd-24th November 2022

4. Attended 3rd One Day Interdisciplinary National Conference on 'Climate Change and Youth: Time for Action' on 12th January 2023

5. Attended the AICTE recognised Faculty Development Program on "Characterisation of nanomaterials and applications" conducted by NITTTR, Chandigarh from 22/05/2023 to 26/05/2023 at Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra.

11. Publications

1. Dawale, S. A., and Madhuri M. Bhagat. "Preparation and characterization of potato starch based film blended with CaCo₃ nanoparticles." *International Journal of Engineering Science* 8.2 (2018): 16013.

2. BHAGAT, MADHURI M., DR PB LOKHANDE, and DR HA MUJAWAR. "Photocatalytic degradation of carcinogenic rhodamine 6g dye by strontium and tin doped cadmium sulphide nanoparticles." *JournalNX* 3.06 (2017): 129-136.

3. Bhagat, M. M., P. Lokhande, and H. A. Mujawar. "Effect of Tin and Strontium Doping on the Photocatalytic Activity of Zinc Sulphide Nanoparticles for the Photocatalytic Degradation of Resorcinol under Solar and Ultra-Violet Light." *J Nanosci Curr Res* 3.122 (2018): 2572-0813.

4. Bhagat, Madhuri, P. Lokhande, and H. Mujawar. "Study of Zr and Sn Doping on Photoluminescence Property of Cadmium Sulphide Nanoparticles." *International Conference on Communication and Signal Processing 2016 (ICCASP 2016)*. Atlantis Press, 2016.

5. Effect of La and Sn doping on photocatalytic activity of Cadmium Sulphide Photocatalyst.

Madhuri M Bhagat, Dr. P. B. Lokhande, Dr. H. A. Mujawar International Journal of Management, Technology and Engineering, Vol. 8, issue IX, pp 777-783, (2018)

6. "Antimicrobial activity of Chemically Synthesized Sn and Sr Doped Cadmium and Zinc Sulphides Semiconductor Nanoparticles" Madhuri M. Bhagat, P. B. Lokhande, H.A. Mujawar, Madridge Journal of Nanotechnology And Nanoscience, Vol. 4, Issue.1, 135-138, 2019, ISSN: 2638-2075. (2019)

7. Effect of Cd and N doping on Zinc Sulphide Nanoparticles Synthesised by Mechanochemical Method for the Photodegradation of Brilliant Green Dye. Madhuri MB, Lokhande PB (2019) Nano Res Appl Vol.5 No.1:1