

List of Research Publications

Research Publications

1. One Pot Synthesis of Coordination Polymer 2,5-Dimercapto-1,3,4-Thiadiazole-Gold and its Application in Voltammetric Sensing of Resorcinol. **Madhu Tiwari**, Sandeep Gupta, Rajiv Prakash, RSC Adv., 2014, 4, 25675–25682.
2. Gold Nanoparticles Incorporated 3-(Trimethoxysilyl)Propyl Methacrylate Modified Electrode for Non-Enzymatic Electro-Sensing of Urea, Sandeep Gupta, **Madhu Tiwari**, Rajiv Prakash, J. Nanosci. Nanotechnol. 14, 2786–2791, 2014.
3. Microwave-Assisted Chemical Synthesis of Conducting Polyindole: Study of electrical property using Schottky junction, **Madhu Tiwari**, Ashish Kumar, Harshit Sunil Umre, Rajiv Prakash, J. Appl. Polym. Sci. 2015, 132, 42192 (1-9).
4. Electrochemical Study of Interfacially Synthesized Polycarbazole with Different Oxidants, Ashish Kumar, **Madhu Tiwari**, Rajiv Prakash, ChemElectroChem, 2015, 2, 2001–2010.
5. Nano-porous Network of DMTD-Ag Coordination Polymer for the ultra-trace Detection of Anticholinergic drug, **Madhu Tiwari**, Ashish Kumar, Rajiv Prakash, Polymer, 2016, 82, 66–74.
6. The Nanocrystalline Coordination Polymer of AMT-Ag for an Effective Detection of Ciprofloxacin Hydrochloride in Pharmaceutical Formulation and Biological Fluid, **Madhu Tiwari**, Ashish Kumar, Uma Shankar, Rajiv Prakash, Biosensors and Bioelectronics, 2016, DOI: <http://dx.doi.org/10.1016/j.bios.2016.05.049>.

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Symposium and Conferences

1. 7th RSC–CRSI Symposium in Chemistry, January **2013**, BHU, Varanasi, India (**Poster Presentation**).
2. 15th CRSI National Symposium in Chemistry, February **2013**, BHU, Varanasi, India, (**Poster Presentation**).
3. Indo–US Workshop on Electrocatalytic Materials for Fuel and Biofuel Cells (Indo–US ECM), February **2013**, BHU, Varanasi, India, (**Poster Presentation**).
4. International Conference on Nanoscience and Nanotechnology (ICNN), November **2013**, Babasaheb Bhimrao Ambedkar University, Lucknow, India, (**Oral Presentation**).
5. International Conference on Recent Advances in Analytical Science (RAAS), March **2014**, IIT (BHU), Varanasi, India, (**Poster Presentation**).
6. 17th CRSI National Symposium in Chemistry, February **2015**, NCL–Pune, India (**Poster Presentation**).
7. National Symposium on Nanomaterials & Sustainable Synthetic Strategies, BHU, March **2015**, Varanasi, India, (**Poster Presentation**).
8. International Conference on Multifunctional Materials for Future Applications **2015**, IIT (BHU), Varanasi, India, (**Poster Presentation**).
9. International Conference on Nanomaterials and nanotechnology, **2016**, Centre for Nanoscience and Technology, K. S.Rangasamy College of Technology, Tiruchengode, Tamil Nadu, India, (**Oral Presentation**).
10. 6th International Symposium on Current Trends in Drug Discovery and Research 25th–28th February **2016**, Central Drug Research Institute Lucknow, India (**Poster Presentation**).
11. International Conference on Recent Advances in Analytical Science (RAAS), 7th–9th April **2016**, IIT (BHU), Varanasi, India, (**Poster Presentation**).

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Book Chapters

1. **Madhu Tiwari** and Rajiv Prakash, Synthesis of Gold Nanofibers through a Template-Free Time Dependent Morphology Controlled Strategy, *Advanced Nanomaterials: Synthesis and Applications*, Eds. V. Rajedran, K. Saminathan, K. E. Geckeler, Bloomsbury Publishing India Pvt. Ltd. **2015**, 279–282 (Forwarded by Noble Laureate Dr. H.C. Mult Robert Huber).
2. **Madhu Tiwari**, Bharat Kumar Allam and Rajiv Prakash, AIBN, m 78–67–1, *Encyclopedia of Reagents for Organic Synthesis*, Ed. P. L. Fuchs, John Wiley and Sons, Inc. **2016**.