

Name: Dr. Prasanta Sutradhar
Designation: Assistant Professor
Branch: Chemistry



Educational Qualification(s):

Qualification(s)	University
B.Sc.	MBB College
M.Sc.	Tripura University
PhD	NIT Agartala

Experience in years:

Academic: 4 years

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1	NIT Trichy, Tamil Nadu	Temporary Faculty	July 2017	September 2017
2	Womens Poly Technique College, Agartala West Tripura	Guest Faculty	July 2018	June 2019
3	Ramthakur College, Agartala West Tripura	Guest Faculty	July 2019	December 2019
4	ICFAI University, Tripura	Guest Faculty	January 2020	July 2020
5	ICFAI University, Tripura	Assistant Professor, Department of Chemistry.	August 2020	Till date

Other Information:

a) Publication details:

1. Naik J. P., **Sutradhar P.** and Saha M. (2017) Molecular scale rapid synthesis of graphene quantum dots (GQDs). *J Nanostruct Chem*, 7, 85–89.
1. **Sutradhar P.** and Saha M. (2016) Silver Nanoparticles: Synthesis and Its Nanocomposites for Heterojunction Polymer Solar Cells. *J. Phys. Chem. C.*, 120, 8941-8949.
2. **Sutradhar P.** and Saha M. (2016) Size-controlled synthesis of silver nanoparticles using Zizyphus mauritiana fruit extract. *Main Group Chemistry*, 15, 47-55.
3. Debbarma M., **Sutradhar P.** and Saha M. (2016) Synthesis of Cu₂O nanoparticles and current voltage measurements (I-V) of its nanocomposites. *Nanotechnology for Environmental Engineering*, 1, 6-11.
4. **Sutradhar P.** and Saha M. (2015) Green synthesis of zinc oxide nanoparticles using tomato (*Lycopersicon esculentum*) extract and its photovoltaic application. *Journal of Experimental Nanoscience*, 19, 314-327.
5. **Sutradhar P.** and Saha M. (2015) Microwave synthesis of zinc oxide nano particles using coffee powder extract and its application for solar cell. *Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry*, 46, 1622-1627.
6. **Sutradhar P.** and Saha M. (2015) Synthesis of zinc oxide nanoparticles using tea leaf extract and its application for solar cell. *Bull. Mater. Sci.*, 38, 1–5.
7. Debbarma M., **Sutradhar P.** and Saha M. (2015) Synthesis of ZnO nanocomposites for photovoltaic applications. *J. Indian Chem. Soc.*, 2, 1-4.
8. **Sutradhar P.**, Maiti D. and Saha M. (2014) Microwave synthesis of copper oxide nanoparticles using tea leaf and coffee powder extracts and its antibacterial activity. *J Nanostruct Chem*, 4, 86-91.
9. **Sutradhar P.**, Debnath N. and Saha M. (2013) Microwave-assisted rapid synthesis of alumina nanoparticles using tea, coffee and triphala extracts. *Adv. Manuf.*, 1, 357-361.

(b) Details of Seminar/Workshop/Conference:

1. Saha M. and **Sutradhar P.** (2017) *International conference on frontier in chemical sciences*, March 16-18, 2017, Applied Chemistry, , Central University of Jharkhand, Brambe, Ranchi, India. (Oral Presentaion)
2. **Sutradhar P.** and Saha M. (2016) *National seminar on engering problems and application of mathematics*, June 11-12, 2016, Mathematics department, NIT Agartala.
3. **Sutradhar P.** and Saha M. (2015) *National conference on recent trends of Research in Physics*. Womens College, Agartala, Tripura. (Oral Presentaion)
4. **Sutradhar P.** and Saha M. (2015) *Recent development & Application in Chemical Sciences (RDACS-2016)*, Department of Chemistry, National Institute of Technology Agartala, Tripura. (Oral Presentaion)
5. **Sutradhar P.** and Saha M. (2015) 7-8 August, 2015. *National seminar on recent trend of Research in Chemistry-A New Horizon of Hopes*, Womens College, Agartala, Tripura. (Oral Presentaion).
6. **Sutradhar P.** and Saha M. (2014) 20th-21st December, 2014. *New Advances and Horizons in Nanoscience and Nanotechnology (NanoSci-2014)*, IASST, Guwahati. (Poster Presentation).

c) Book Chapter

1. Saha M. and **Sutradhar P.** (2016) *Advances in Polymer Composites Green and Nanotechnology*. Green Polymer Composites Technology, 401-405.