

Mrs SAVITA SHARAD DANGE

M.Sc. NET, SET

Assistant Professor

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1. Teaching Experience : 16 yrs
2. Research Experience : 04 years
- Area of Research :
- (i) Synthesis, Characterization and application of metal oxide nanomaterials,
- (ii) Fabrication and study of gas sensors.

3. Research Projects sanctioned and completed:

Minor Research Project of Mumbai University in the year 2016-2017

4. Research Projects done:

1. Summer School Research Project in May 2000 at Institute for Plasma Research (IPR), Gujrat under the guidance of Dr. Ajai Kumar. Scientist, IPR, Gujarat, India.
2. Research Project at Tata Institute of Fundamental Research (TIFR) , Mumbai under the guidance of Prof . B.M.Arora in 2004-2005.

5. Publications

- “Synthesis of Almond like ZnO Microcrystals by Chemical Bath Deposition Method at Room Temperature.” S.S.Dange, S.N.Dange, P.S.More, “International Journal of Innovative Research in Science, Engineering and Technology.” Vol.4, Issue 8, August 2015, 7827-7832, DOI: 10.15680/IJIREST.2015.0408160
- “Effect of pH on Morphology of Cu Added ZnO Nanostructures by Precipitation Method.” S.S.Dange, S.N.Dange, P.S.More, “International Journal of Innovative Research in Science, Engineering and Technology.” Vol.4, Issue 9, September 2015, 8637-8642 , DOI: 10.15680/IJIRSET.2015.0409131

- “H₂S Sensing Properties of ZnO microcrystals having almond morphology.” S.S.Dange, S.N.Dange, N.S.Ramgir, P.S.More, “Asian Journal of Physics.” Vol 25 No 8 , 2016, 993-998 , SSN: 0971-3093
 - “Synthesis of ZnO Nanorods by Precipitation Method.” S.S.Dange, S.N.Dange, P.S.More,“ International Journal of Advanced Engineering and Nano Technology.” Vol-2 Issue-10, September 2015, ISSN: 2347-6389.
6. Papers presented in National/International Conferences/Workshops:
- “H₂S sensing properties of transition metal doped ZnO nanostructured thin film”, 8th International Conference on Advanced Materials Development and Performance (AMDP 2017) , 11-15 July, 2017, SPPU, Pune, India.
 - “Synthesis and characterization of zinc oxide nanotablets by precipitation method” 8th International Conference on Advanced Materials Development and Performance (AMDP 2017) , 11-15 July, 2017, SPPU, Pune, India.
 - “H₂S sensing properties of ZnO thin film developed by chemical bath method.” National conference on Recent trends in surface physics and phenomenon, 21 & 22 March 2017, Department of Physics, University of Mumbai.
 - “Spectroscopic properties of Cu doped zinc oxide nanoparticles synthesized by microwave assisted precipitation method”, International Conference on Photons : Multiple & Creative Solutions to Challenges (ICPMCS 2015), 4th & 5th December, 2015, NES Ratnam College of Arts, Science & Commerce, Mumbai 400078.
 - “PEG modified Porous Silicon as a moisture sensor”, National Conference on Frontiers in the Field of Science, Technology and Sustainability, 14th & 15th February, 2014, Elphinstone College, Mumbai 400032.

12 . Books published:

1. Students’ Handbook of Practical Physics- Pen Craft Publications, Mumbai. ISBN No : 978-93-82783-79-4

2. Handbook of Practical Physics - Pen Craft Publications, Mumbai. ISBN No: 978-93-82783-80-0

13. Papers Taught:

1. Mathematical Methods for Physics – for PG students
2. Solid State Physics – for PG students

3. Statistical Mechanics- for UG students
4. Atomic and Molecular Physics- for UG students
5. Wave motion – for UG students