PUBLICATIONS

Research papers published in National and International Journals

1. “Effect of indium and antimony doping in SnS single crystals”
   Sunil H Chaki, Mahesh D Chaudhary and M P Deshpande

2. “Synthesis and characterization of different morphological SnS nanomaterials”
   Sunil H. Chaki, Mahesh D. Chaudhary and M. P. Deshpande

3. “SnS thin films study - Synthesized by chemical bath deposition, dip coating and SILAR techniques”
   S.H. Chaki, M.D. Chaudhary and M.P. Deshpande

4. “Effect of indium and antimony doping on SnS photoelectrochemical solar cells”
   Sunil H. Chaki, Mahesh D. Chaudhary and M.P. Deshpande

5. “Synthesis and characterization of tin monosulphide nanoparticle”
   Sunil H. Chaki, M.P. Deshpande, Mahesh D. Chaudhary and Kanchan S. Mahato

6. “Synthesis and electrical transport properties of SnS nanoparticles”
   S.H. Chaki, M.P. Deshpande, M.D. Chaudhary, J.P. Tailor and K.S. Mahato

7. “Wet chemical synthesis and characterization of SnS₂ nanoparticles”
   Sunil H. Chaki, M.P. Deshpande, Devangini P. Trivedi, Jiten P. Tailor, Mahesh D. Chaudhary and Kanchan Mahato
8. “Study of surface microstructure and optical properties of as-grown Mo$_{0.6}$W$_{0.4}$Se$_2$ single crystals”
Sunil H. Chaki, M.P. Deshpande, Jiten P. Tailor, M.D. Chaudhary and K.S. Mahato

9. “Wet chemical synthesis and characterization of MnS nanoparticles”

10. “Synthesis and characterization of CuSnanowhiskers”
Sunil Chaki, M.P. Deshpande, Kanchan S. Mahato, Mahesh D. Chaudhary and Jiten P. Tailor

11. “Growth and characterization of ADP single crystal”
Sunil Chaki, M.P. Deshpande, Jiten P. Tailor, Mahesh D. Chaudhary and Kanchan Mahato

12. “Electrical transport properties study of Mo$_{0.6}$W$_{0.4}$Se$_2$ single crystals”
Sunil Chaki, M.P. Deshpande, J.P. Tailor, M.D. Chaudhary and P.N. Sakaria

13. “Different morphology SnS nanomaterials-Study of thermal decomposition and its catalytic properties in cellulose pyrolysis”
Sunil H Chaki, Mahesh D Chaudhary and M P Deshpande

**Papers Presented at Conferences / Symposia / Seminars / Workshops:**

1. “Single crystal growth and characterization of SnS”
   M.D. Chaudhary, S.H. Chakiand M.P. Deshpande

2. “Synthesis and thermal study of SnS nanowires”
   S.H. Chaki, M.D. Chaudhary and M.P. Deshpande
   Presented Paper in International Conference on Nanoscience & Nanotechnology (ICNN-2013) held on 18th-20th November 2013 at Babasaheb Bhimrao Ambedkar University, Lucknow (India).
3. “Growth and characterization of SnS single crystal”
   **Mahesh D. Chaudhary**, Sunil Chaki and M.P. Deshpande
   Presented Poster in 7th *International Conference on Materials for Advanced Technologies (ICMAT-2013)* held on 30th June-5th July 2013 at Suntec city (Singapore).

4. “Synthesis and thermal study of SnS nanowire”
   **M.D. Chaudhary**, S.H. Chaki and M.P. Deshpande
   Presented Poster in *XXVII Gujarat Science Congress (GSC-2013)* held on 24th February 2013 at Charotar University of Science & Technology, CHARUSAT Campus, Changa, Gujarat (India).

5. “Chemical synthesis and characterization of SnS thin films”
   **Mahesh D. Chaudhary**, Sunil H. Chaki, M.P. Deshpande and J.P. Tailor
   Presented Paper in 21st *International Symposium on processing and Fabrication of Advanced Materials (PFAM-21)* held on 10-13th December 2012 at IIT Guwahati, Guwahati (India).

6. “CBD and characterization of SnS thin films”
   **Mahesh D. Chaudhary**
   Oral Presentation in the *One day seminar on Recent Advanced in Applied optics and optoelectronics* held on 22nd September 2012 at Applied Physics Department, Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda, Vadodara (India).

7. “Synthesis and characterization of Tin Monosulphide thin films, nanoparticles and single crystal for optoelectronics devices”
   **Mahesh D. Chaudhary**
   Presented Poster in *National Workshop on Research Methodology: A March Towards Creating Quality Through Research (NWCQTR-2012)* held on 12th-14th March 2012 at Sardar Patel University, VallabhVidyanagar, Gujarat (India).

8. “Chemical synthesis and characterization of SnS\textsubscript{2} nanoparticles”
   **Mahesh D. Chaudhary**
   Oral Presentation in *3rd National Conference on Condensed Matter and Materials Physics (CMMP-2012)* held on 3rd-5th March 2012 at Department of Physics, Sardar Patel University, Vallabh Vidyanagar, Gujarat (India).

9. “Study of SnS thin films deposited by chemical bath deposition”
   Sunil Chaki, M.P. Deshpande and **Mahesh D. Chaudhary**
Presented Poster in *1st International Conference on Physics of Materials and Materials Based Device Fabrication (ICPM-MDF-2012)* held on 17th - 19th January 2012 at Department of Physics, Shivaji University, Kolhapur, Maharashtra (India).

10. “Synthesis and characterization of CuS nanoparticles”
    K.S. Mahato, **M.D. Chaudhary**, J.P. Tailor, S. Chaki and M.P. Deshpande
    Presented Poster in *1st International Conference on Physics of Materials and Materials Based Device Fabrication (ICPM-MDF-2012)* held on 17th - 19th January 2012 at Department of Physics, Shivaji University, Kolhapur, Maharashtra (India).

11. “Room temperature synthesis of SnS nanoparticles by chemical route”
    **Mahesh Chaudhary**
    Presented Poster in *Sardar Patel University Research Student Meet (SPURSM-2012)* held on 8th-9th January 2012 at Sardar Patel University, Vallabh Vidyaganar, Gujarat (India).

12. “Chemical synthesis and characterization of tin monosulphide nanoparticles”
    S.H. Chaki, M.P. Deshpande and **M.D. Chaudhary**
    Presented Poster in *3rd International Conference on Current Developments in Atomic, Molecular Optical and Nano Physics with applications (CDAMOP-2011)* held on 14th - 16th December 2011 at Department of Physics and Astrophysics, University of Delhi, Delhi (India).