❖ List of Thesis Related Publications

International Journals

- Molybdenum back-contact optimization for CIGS thin film solar cell

  J.R. Ray, **N.M. Shah**, M.S. Desai, C.J. Panchal
  Journal of nano-electron physics, **3(1)**, pp. 766-775, (2011)

- Influence of substrate temperature on structural, optical and electrical properties of evaporated cadmium sulphide thin films

  N. M. Shah, J. R. Ray, M. S. Desai, C. J. Panchal
  Journal of optoelectronics and advance materials, **12(10)**, pp. 2052-2056, (2010)

- Growth, structural and optical properties of copper indium diselenide thin films deposited by thermal evaporation method

  N. M. Shah, C. J. Panchal, V. A. Kheraj, J. R. Ray, M. S. Desai
  Solar energy, **83**, pp. 753-760, (2009)

- Structural, electrical and optical properties of copper indium diselenide thin films prepared by thermal evaporation method

  N. M. Shah, J. R. Ray, K. J. Patel, V. A. Kheraj, M. S. Desai, C. J. Panchal, Bharti Rehani
  Thin Solid Films, **517**, pp. 3639-3644, (2009)

- Structural, optical and electrical properties of flash evaporated Copper Indium Diselenide thin films

  N. M. Shah, J. R. Ray, C. J. Panchal, V. A. Kheraj, M. S. Desai
  Journal of Material Science, **44**, pp. 316-322, (2009)

Conference Presentations

- Influence of substrate temperature on structural, optical and electrical properties of evaporated cadmium sulphide thin films for application in solar cells

  N.M. Shah, J.R. Ray, M.S. Desai, C.J. Panchal
  National Symposium on Vacuum Technology and its Application to Electronic Device and Systems (IVSNS 09), Nov. 11-13, 2009, CEERI, Pilani, Rajasthan.

- Characterization of copper indium diselenide compound and thin films for photovoltaic applications

  N. M. Shah, J. R. Ray, V. A. Kheraj, M. S. Desai, C. J. Panchal
  National Conference on Semiconductor Materials & Technology (NC-SMT 2008), Oct 16-18, 2008, Department of Physics, Gugukul kangri vishva-vidyalaya, Haridwar.

- Optical and structural characterization of copper indium diselenide thin films prepared by direct thermal evaporation of the compound material

  N. M. Shah, K. J. Patel, V. A. Kheraj, J. R. Ray, Bharti Rehani, V. J. Rao, M. S. Desai, C. J. Panchal
  Proc. of the International Conference on Solar Cells (IC-SOLACE 2008), Jan 21-23, 2008, Department of physics, Cochin University of science and technology, Cochin, pp. 272