

## RESEARCH OUTPUT

### INTERNATIONAL PUBLICATIONS

1. *Luminescence study and dosimetry approach of Ce on an  $\alpha$ -Sr<sub>2</sub>P<sub>2</sub>O<sub>7</sub> phosphor synthesized by a high –temperature combustion method*, Nimesh Patel, M.Srinivas, **Dhaval Modi**, V.Verma and K.V.R.Murthy, Luminescence DOI: 10.1002/bio.2762(2014).
2. *Photoluminescence Studies And Core-Shell Model Approach For Rare Earth Doped CdWO<sub>4</sub> Nano phosphors*, M.Srinivas, **Dhaval Modi**, Nimesh Patel, V.Verma and K.V.R.Murthy, Journal of Inorganic and Organometallic and. Polymer DOI 10.1007/s10904-014-0065-5,(2014).
3. *Synthesis And Thermoluminescence Dosimetry Application Of Dy<sup>+3</sup> Activated Sr<sub>2</sub>P<sub>2</sub>O<sub>7</sub>*, Nimesh Patel, M.Srinivas, Verma Vishwanath, **Dhaval Modi** and K.V.R Murthy, International Journal of Chem Tech Research, Vol 6, No.3, 1708-1711, (2014).
4. *Hydrothermal Synthesis And Optical Properties Of Cerium Doped Cadmium Tungstate Nano Phosphor*, **Dhaval Modi**, M.Srinivas, D Tawde, K.V.R. Murthy, V.Verma and Nimesh Patel, Journal of Exp. Nanoscience DOI: 10.1080/17458080.2014.899714 (2014).
5. *Characterization of Synthesized Strontium Cerium Niobate Nanophosphor*, M.Srinivas, Verma Vishwanath, Nimesh Patel, **Dhaval Modi**, D.Tawde and K.V.R.Murthy, Journal of Luminescence 147, 324-327, (2014).
6. *Effect of Reaction Parameters on Structural And Photoluminescence Properties Of Cerium Doped PbWO<sub>4</sub> Nanophosphors*, D. Tawde, M. Srinivas, **Dhaval Modi**, Nimesh Patel, Verma Vishwanath and K.V.R. Murthy, International Journal of Luminescence and Applications, 3, 79-282, (2013).

7. *Photoluminescence Investigation Of CdWO<sub>4</sub>:Ce, Er Doped Nano phosphors*, **Dhaval Modi**, M.Srinivas, D. Tawde, K.V.R.Murthy, International Journal of Luminescence and Applications, 2, 27-29, (2012).
8. *Structural And Photoluminescence Properties Of SrWO<sub>4</sub> Microcrystallites Prepared By Hydrothermal Method*, **Dhaval Modi**, M. Srinivas and D. Tawde, International Journal of Luminescence and Applications, 1, 116-118, (2012).

## PUBLICATIONS IN CONFERENCE PROCEEDINGS

1. *The effect of Tb<sup>+3</sup> on  $\alpha$ -Sr<sub>2</sub>P<sub>2</sub>O<sub>7</sub> phosphor for green LED phosphor application*, Nimesh P. Patel, M. Srinivas, Vishwnath Verma, and **Dhaval Modi**, AIP Conference Proceeding, 1665, 110017 (2015).
2. *Optical And Structural Characterization Of Rare Earth Doped PbWO<sub>4</sub> Nanocrystallites*, D.Tawde, **Dhaval Modi**, M.Srinivas, K.V.R.Murthy, Proceedings of I<sup>st</sup> National Conference on Recent Trends of Physics in Technology & Life Sciences August 19, 2011, Indore
3. *Hydrothermal Preparation And Photoluminescence Of Bundle-Like Structure Of CdWO<sub>4</sub> Nanorods*, **Dhaval Modi**, D. Tawde and M. Srinivas, UGC Sponsored Seminar on Current Trend in Physics and its Applications, 5Jan, 2011, Dabhoi.
4. *Structural, Dielectric and Optical characterization of Pb<sub>0.3</sub>(Zn<sub>0.35</sub>W<sub>0.35</sub>)O<sub>3</sub>*, **Dhaval Modi**, D. Tawde and M. Srinivas, 54<sup>rd</sup> Proceeding of DAE-SSPS, 869-870(2009), The M.S.University of Baroda.