LIST OF PUBLISHED PAPERS


17. Electrical transport and lowered percolation threshold in YBa$_2$Cu$_3$O$_{7-\delta}$ nano YBa$_2$ZrO$_{5.5}$ composites, P P Rejith, S Vidya and J K Thomas, International Journal of Superconductivity, Accepted, (2014).


20. Single step combustion synthesis of nano crystalline scheelite $A_{0.5}B_{0.5}MO_4$ ($A=\text{Ba, Sr, Ca}$ and $M=\text{Mo, W}$); its structural, optical and dielectric investigations, S Vidya, Sam Solomon and J K Thomas, Applied Physics A, Communicated, (2014).

CONFERENCES PROCEEDINGS

1. Structural, optical and dielectric characterization of nanocrystalline $AM_{0.5}W_{0.5}O_4$ (where $A=\text{Ba, Sr and Ca}$) prepared by single step modified combustion technique, S Vidya and J K Thomas, International Conference on Perspectives of Vibrational Spectroscopy, (ICOPVS) Thiruvananthapuram, Kerala (2014).


3. A study of structural, optical and dielectric properties of crystalline $\text{Sr}_2\text{Nb}_2\text{O}_7$ nanoparticles synthesized by a modified combustion technique, K C Mathai, S Vidya, Sam Solomon, and J K Thomas, AIP Conference Proceedings, 1576 (2014) 186.


5. Study on the optical band gap and photoluminescence of $\text{PbMoO}_4$ nano powder synthesized by an auto igniting combustion technique, S Vidya, J K Thomas International Conference on Materials Science and Technology (ICMST), Pala, Kerala (2012).


8. Synthesis and optical characterization of $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{MoO}_4$ nanopowder synthesized by an auto ignition combustion technique, Vidya S, Rejith P P, Sam Solomon and J K Thomas, Indian Science Congress, Chennai, (2011).
9. Raman spectra and photo luminescent studies of nanocrystalline SnO$_2$ powder synthesized by gelation technique, S. Vidya, Sam Solomon, J K Thomas, Kerala Science Congress, Peechi, Kerala (2010).

