Publications

Peer Reviewed Journals

1. A study on the magnetic properties of Gd-Sr based low bandwidth manganites in their bulk and thin film forms and evidence for magnetization reversal in bulk Gd$_{0.7}$Sr$_{0.3}$MnO$_3$; Lija K Joy, Senoy Thomas and M R Anantharaman, *Journal of Magnetism and Magnetic Materials* 398, 174–182 (2016).


3. Colossal thermoelectric power in charge ordered lanthanum calcium manganites (La$_{0.5}$Ca$_{0.5}$MnO$_3$); Lija K. Joy, S. Shanmukharao Samatham, Senoy Thomas, V. Ganesan, Salim Al-Harthi, A. Liebig, M. Albrecht and M. R. Anantharaman, *Journal of Applied Physics*, 116, 213701 (2014).


6. Large thermoelectric power in Ca$_{0.9}$Yb$_{0.1}$MnO$_3$ at higher temperature; **Lija K. Joy**, Senoy Thomas and M. R. Anantharaman (Manuscript under preparation).

7. Size dependent optical properties of Ag-SiO$_2$ nanocomposites with the presence of silver in different states in silica matrix; Beena Mol, **Lija K Joy**, Hysen Thomas, Vinoy Thomas, Cyriac Joseph, T. N. Narayanan, I.A. Al-Omari, N V Unnikrishnan and M R Anantharaman (Manuscript under preparation).

**Conference Publications**


2. Thermo power and magneto electric transport of nanostructured charge ordered La$_{0.5}$Sr$_{0.5}$MnO$_3$; **Lija K Joy**, Senoy Thomas, S. Shanmukharao Samatham, V. Ganesan, Rajeev Rawat, and M. R. Anantharaman, International conference on Magnetic Materials and applications, ICMagMA 2014, September 15-17, Pondichery, India.

3. Large thermoelectric power in Ca$_{0.9}$Yb$_{0.1}$MnO$_3$ at higher temperature; **Lija K Joy** and M.R. Anantharaman, ISAS National conference on Advanced Technologies for Material Processing and Diagnostics, September 18-20, 2014, Cochin, India.

4. Highly efficient thermo electric materials for energy harvesting applications; **Lija K Joy** and M R Anantharaman, National Seminar on Frontiers of Nanotechnology, March 6-7, 2014, Sree SankaraVidya Peetom College, Perumbavoor (*Oral Presentation*).

6. Evidence for Existence of spin glass state in single phase polycrystalline Gd$_{0.99}$Sr$_{0.01}$MnO$_3$ through Structural and Magnetic Properties; **Lija K Joy**, Senoy Thomas, Manfred Albrecht and M R Anantharaman, National Conference On Emerging Technologies for processing and Utilization of Beach Sand Minerals, March 1-2, 2013,IMA, Cochin, India.

7. Effect of thermal annealing on the optical properties of Silver- Silica nanocomposites; Beena Mol, **Lija K Joy**, Hysen Thomas, Cyriac Joseph, Vinoy Thomas, N V Unnikrishnan and M. R Anantharaman, India Israel Meeting on Material science and Nanoscience – (IIMNN 2013), Jan 31-Feb 1, 2013, Kottayam, India.