Research Papers Published/Communicated in
International/National Journals


Research Papers Presented in various Conferences/Seminars/Symposia


List of Conference Publications

6. **PHOTONICS 2006**: Siby Mathew, Xavier Joseph, Jyothy P.V.,
   Gijo Jose, N.V. Unnikrishnan, “Structural and optical characterization of
   oxygenated CdTe /Sm$^{3+}$ nanocrystallites in sol-gel silica”,
   8th International Conference on Optoelectronics, Fiber Optics and
   Photonics, University of Hyderabad, Andhra Pradesh, India.

7. **NLS-6 2006**: Rejikumar P.R, Jessyamma Kurian, Xavier Joseph,
   Siby Mathew, N.V. Unnikrishnan, “Preparation and Characterization of
   Nd$^{3+}$ doped multilayered sol-gel silica thin films with low H$_2$O:TEOS
   ratio”, National Laser Symposium, Raja Ramanna Centre for Advanced
   Technology, Indore, India.

   N.V. Unnikrishnan, “Spectroscopic characterization of Dy$^{3+}$-Nd$^{3+}$
   system in sol-gel silica matrices”, International Conference on Optics
   and Optoelectronics, Dehradun, Uttaranchal, India.

9. **NLS-5 2005**: Gijo Jose, Siby Mathew, Xavier Joseph, M.A. Ittyachen,
   N.V. Unnikrishnan, “Spectroscopic Parameters of Eu$^{3+}$/ZnSe
   Nanocrystals in Silica Matrices”, National Laser Symposium, Baba
   Atomic Research Center (BARC), Trombay, Mumbai, India.

10. **NSMTMS 2005**: Siby Mathew, Jyothy P.V., Xavier Joseph, M.A.
    Ittyachen, N.V. Unnikrishnan, “Structural and optical investigations on
    Sm$^{3+}$/CdTe nanocrystallites in sol-gel silica”, National Seminar on
    Modern Trends in Materials Science, Calicut University, Calicut, Kerala.

11. **OMTAT 2005**: Siby Mathew, P.R. Rejikumar, Xavier Joseph,
    N.V. Unnikrishnan, Wide UV Excitation and Emission of Eu$^{3+}$/ZnSe
    Nanocrystals in Silica Hosts, International conference on Optoelectronic
    Materials and Thin films for Advanced Technology, Cochin University
    of Science and Technology, Cochin, Kerala.