List of Publications

1. Enhanced field emission from $LaB_6$ thin films with nanoprotrusions grown by pulsed laser deposition on Zr foil.,

2. Some aspects of pulsed laser deposited nanocrystalline $LaB_6$ film: atomic force microscopy, constant force current imaging and field emission investigations.,

3. Electron transport in dodecylamine capped gold nanocluster films using current sensing Atomic Force Microscope (C-AFM),

4. A new approach for AC current imaging/spectroscopy of nanostructures using high bandwidth preamplifier in non-contact Atomic Force Microscope.,
Kalyani S. Date, S. B. Iyyer and C. V. Dharmadhikari (Manuscript under preparation).
5. Force on a conducting tip in proximity with thin dielectric film: Theory and experiment.,

6. Study of electrostatic interaction between a conducting tip and metallic/insulating surface in proximity.,
Kalyani Date, Shirshendu Dey and C. V. Dharmadhikari, [Published in Conference Proceedings DAE-SSPS, Mysore, India (2007)].

7. Comparison of adhesion force between Active Pharmaceutical Ingredients using colloidal force spectroscopy.,
Kalyani Date and C. V. Dharmadhikari (Manuscript under preparation).
List of conferences

1. Poster presented at ”52nd DAE Solid State Physics Symposium 2007” Mysore University, Mysore, India,


3. Poster presented in International Conference on Advanced Nanomaterials and Nanotechnology organized by the Centre for Nanotechnology, Indian Institute of Technology Guwahati (2009)

4. Participated in International Conference on Biology Beyond Borders held at University of Pune (2010)

5. Participated in Workshop on Sensing Forces on Biological Materials at Nanoscales using AFM and Optical Tweezers jointly organized by National Center for Nanomaterials and Nanotechnology University of Mumbai (2010)