LISTS OF RESEARCH PUBLICATIONS


3. V. Madhurima, **Debarun Dhar Purkayastha**, K. Sudheendran, K. C. James Raju, A correlation between dielectric permittivity and wettability for low energy surfaces like Bismuth Zinc Niobate on fused silica, IEEE International Conference on Dielectric Liquid 2011

4. **Debarun Dhar Purkayastha** and V. Madhurima, Interactions in Water-THF binary mixture by contact angle, FTIR and dielectric studies. (communicated to Journal of Molecular liquids)


7. **Debarun Dhar Purkayastha, K.C.James Raju, V. Madhurima,** Influence of cationic and anionic surfactant and film annealing temperature on wetting properties of sol-gel derived nano-crystalline ZrO$_2$ thin films. (under preparation)

8. **Debarun Dhar Purkayastha, M Ghanashyam Krishna, V. Madhurima,** Effect Mo doping on renewable hydrophobic-superhydrophilic properties of amorphous SnO$_2$ thin film. (Under preparation)

**List of Conference Papers**

1. V. Madhurima, **Debarun Dhar Purkayastha,** Concentration dependence of wettability on substrate (ITO), 15$^{th}$ national Seminar on physics and Technology of Sensors, 4-6 March 2010, organized by Centre for Sensor studies, Department of electronics science, University of Pune.


3. **Debarun Dhar Purkayastha,** N. V. S Rao, V. Madhurima, Effect of annealing temperature on the photoluminescence property of ZrO$_2$ thin film deposited on fused silica, Condensed matter days, August 24-26, 2011, Gauhati University.


5. 

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List of workshop attended


2. State level Workshop on FORTRAN programming, November 24-26, 2010, organized by Department of Physics Mizoram University.

3. National Workshop on Computational physics held during February 14-19, 2011, Organised by Department of Physics, Mizoram University in collaboration with University of Hyderabad.

4. National Workshop on Advances in Electronics, Communication and Information Technology (AECI-2011), March 23-26, 2011, organized by Mizoram University and UGC networking resources centre in physical sciences Institute of Radio Physics and Electronics, University of Calcutta.