

Publications Before 2010

- ❖ White luminescence from hydrothermally synthesized ZnO nanostructures, P. M. Aneesh and M. K. Jayaraj, International Conference on Electroceramics (ICE-2009), Delhi, India
- ❖ Effect of buffer layers on the properties of laser ablated PZT thin films, Reshmi.R, V.Natarajan, M K Jayaraj, International Conference on Electroceramics (ICE-2009), Delhi, India
- ❖ Growth of various nanostructures of ZnO by LPPLA and hydrothermal method, P.M. Aneesh, Arun Aravind and M. K. Jayaraj, DAE-BRNS 5th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD 2009), Chennai, India
- ❖ Electrical studies of pulsed laser deposited BST thin films on Pt and LSCNO electrode. Reshmi. R , Asha. A.S ,P.S.Krishnaprasad, M.K.Jayaraj, M.T.Sebastian, DAE-BRNS 5th National Symposium on Pulsed Laser Deposition of Thin Films and Nanostructured Materials (PLD 2009), Chennai, India
- ❖ Pulsed laser Deposition: Plasma diagnosis and material synthesis, M. K.Jayaraj. N. V. Joshy and S. Sasankakumar, 23rd International conference on "Surface Modification Technologies (SMT 23), IGCAR, Kalpakkam, India
- ❖ Bonding of Gold Nanoparticles on ZnO Nanostructures, P. M. Aneesh, K. A. Vanaja and M. K. Jayaraj, ICMAT & IUMRS-ICA 2009, Singapore
- ❖ Fabrication of ZnO/LSMO Double Layers by IBS and Crystalline Orientations, T. Yoshii, D. Ashida, K. Morikawa, M. Matsui, S. L. Reddy, M. K. Jayaraj, K. Endo, T. Endo, 6th International Symposium on Transparent Oxide Thin Films for Electronics and Optics, Tokyo, Japan
- ❖ Synthesis of gold nanoparticles by laser ablation in liquid media, P. M. Aneesh, Arun Aravind, R. Sreeja, R. Reshmi and M. K. Jayaraj, Second International Conference on Frontiers in Nanoscience and Technology (*Cochin Nano* - 2009), Kochi, India
- ❖ Room temperature photoluminescence from symmetric and asymmetric ZnO quantum wells grown by pulsed laser deposition, P. M. Aneesh, R.S. Ajimsha, M. K. Jayaraj, P. Misra and L. M. Kukreja, Second International Conference on Frontiers in Nanoscience and Technology (*Cochin Nano* - 2009), Kochi, India
- ❖ Gold nanoparticles by liquid phase pulsed laser ablation for biological and optical limiting applications, P. M. Aneesh, R. Sreeja, Arun Aravind, R. Reshmi and M. K. Jayaraj, 2nd International conference Bangalore Nano-08, Bangalore, India
- ❖ Various nanostructures of ZnO grown by LP-PLA and chemical methods, P. M. Aneesh, Arun Aravind, R. Reshmi and M. K. Jayaraj, 2nd International conference Bangalore Nano- 08, Bangalore, India

- ❖ Size dependent optical absorptive nonlinearity of Au nano clusters in water, P. M. Aneesh, R. Sreeja, Arun Aravind, R Reshmi, M. K. Jayaraj, Photonics 2008, Delhi, India
- ❖ Co²⁺ Doped ZnO Nanoflowers Grown by Hydrothermal Method, P.M. Aneesh, Christie Thomas Cherian and M. K. Jayaraj , IUMRS International Conference in Asia 2008 (IUMRS-ICA 2008), Nagoya, Japan
- ❖ Ferroelectric Properties of BST and PZT Films Grown on a Novel LSCNO Electrode, R. Reshmi, A.S. Asha, M.T Sebastian, M.K.Jayaraj, IUMRS International Conference in Asia 2008 (IUMRS-ICA 2008), Nagoya, Japan
- ❖ Dependence of Size of Liquid Phase Pulsed Laser Ablated ZnO Nanoparticles on pH of the Medium, P.M. Aneesh, Arun Aravind, R. Reshmi, R.S. Ajimsha and M. K. Jayaraj, IUMRS International Conference in Asia 2008 (IUMRS-ICA 2008), Nagoya, Japan (Invited Talk)
- ❖ ZnO/LSMO Double Layer Fabrication by IBS and Crystalline Orientations, D. Ashida, K. Morikawa, H. Iwanaga, H. Daiki, Y. Strzhemechny, M.K. Jayaraj, K. Endo and T. Endo, IUMRS International Conference in Asia 2008 (IUMRS-ICA 2008), Nagoya, Japan
- ❖ Fabrication of an automated Z-scan setup for nonlinear optical studies, R.Sreeja, Jobina John, V.L.Anuraj, K.Saritha, M.K.Jayaraj, International Seminar on Mathematical & Experimental Physics", PSGRK College, Coimbatore, India
- ❖ Structural and electrical characterization of Zn_(1-x)Mn_xO thin films grown by pulsed laser deposition, Arun Aravind, E.K. Ragitha, P. S. Krishnaprasad and M. K. Jayaraj, International Seminar on Mathematical & Experimental Physics", PSGRK College, Coimbatore, India
- ❖ Growth of ZnO nanostructures by pulsed laser ablation, M. K. Jayaraj, R. S. Ajimsha, R. Reshmi, R. Sreeja, P. M. Aneesh, National Conference, Pondicherry University, Pondicherry, India (Invited Talk)
- ❖ Growth of transparent conducting oxides on flexible substrates, M. K. Jayaraj, K.J. Saji and M. Nisha, International conference on solar cells, Cochin (Invited Talk), 2008
- ❖ Zn-In-Sn-O Amorphous transparent conducting thin films for low temperature applications, K. J. Saji and M. K. Jayaraj, International conference on solar cells, Cochin, 2008
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- ❖ Synthesis and Characterization of Luminescent Sodium doped ZnO quantum dots B. Vinitha, K. Manzoor, R.S. Ajimsha, P.M. Aneesh, M.K. Jayaraj, National conference on current trends in material science (CTMS-07), India, 2007
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- ❖ Effect of Oxygen Pressure on the Optical Properties of RF Sputtered BST Thin Films, Reshmi.R, M.T.Sebastian, M.K.Jayaraj, NCSE 2007
- ❖ Low temperature deposition of $\text{La}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.5}\text{Ni}_{0.5}\text{O}_3$ thin films A.S. Asha M.T. Sebastian, M.K. Jayaraj, NCSE 2007
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- ❖ Preparation and characterization of SrS:Cu,Cl nanophosphor, E.I. Anila, Arun Aravind and M.K. Jayaraj, MATCON 2007
- ❖ Pulsed laser deposition of p-type a- AgGaO_2 thin films, K. A. Vanaja, R. S. Ajimsha and M. K. Jayaraj, E-MRS IUMRS ICEM 2006, Nice France
- ❖ Study of sulphur diffusion in $\text{CuIn}(\text{Se}_{1-x}\text{S}_x)_2$ thin films using two thermal profiles, Rahana Yoosuf and M.K.Jayaraj, E-MRS IUMRS ICEM 2006, Nice France
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- ❖ Effect of oxygen intercalation on the properties of sputtered $\text{CuY}(\text{Ca})_{0.02}\text{O}_2$ p-type transparent conducting oxides, R. Manoj, M. Nisha, K.A. Vanaja, M.K. Jayaraj, International conference on Materials for advanced technology ICMAT 2005
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- ❖ Influence of the process parameters on the properties of ITO thin films, Nisha.M, M.K. Jayaraj Invited talk International Conference on Optoelectronics materials and thin films for advanced technology, OMTAT2005
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- ❖ Fabrication of a low cost automated setup for measuring thermopower, Manoj.R,Promodan.P, Johny Isaac and M.K.Jayaraj, DAE solid state symposium, Gowaliar, December 2003
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