

OMTAT 2013**Poster Presentations****Poster Session 2 in Hall -3 on 4th January 2013 - (16.00 – 17.00)****Nanomaterials Materials (NM 1-35)**

Section: NANOMATERIALS				
NM-01	OPTICAL AND DIELECTRIC CHARACTERIZATION OF $\text{Ca}_{0.5}\text{Sr}_{0.5}\text{MoO}_4$ NANO POWDER SYNTHESIZED THROUGH AN AUTO-IGNITING COMBUSTION TECHNIQUE	Vidya S, Sam Solomon and J K Thomas	EC22	
NM-02	Structural and Optical Properties of Mn doped SnO_2 Nanopowders Synthesized by a Sol-gel method	Dhanya Chandran ¹ , Deepa.M ² , K. Rajendra Babu ¹ , Lakshmi.S.Nair ¹	EC38	
NM-03	L-serine capped ZnS:Mn nanocrystals for plant cell biological studies and as a Growth enhancing agent for Micropropagation of <i>Bacopa monnieri</i> Linn. (Brahmi:Scrophulariaceae).	Sajimol Augustine M, Lissy Mathew, Roselin Alex, Deepa G D, Jayalekshmi S	EC94	
NM-04	Studies on $\text{Cd}_{0.5}\text{OMn}_{(0.5)}\text{3O}_4$ Nano Composites	C.Sagi Rani and N.Joseph John	EC90	
NM-05	Two Steps Process of ZnO/f-CNTs Nanocomposites and their Field Emission Study	E Manikandan, J Kennedy, B Mwakikunga, G Kavitha and K C Wilson	EC114	

NM-06	Optical Studies of Nanocrystalline ZnS grown by hydrothermal method	Sajan. P, Vinod. R, Jayasree. R. S and Junaid Bushiri	EC108	
NM-07	Preparation, structural and optical characterization of ZnO, ZnO: Al Nano powder	Raj Mohan R, Rajendran K and Sambath Krishnan	EC107	
NM-08	Effect of Particle Size on Thermo–Optic Properties of Gold Nanofluid – A Thermal Lens Study	B. Rajesh Kumar, N. Shemeena Basheer, Achamma Kurian and Sajan D George	EC58	
NM-09	Electrochemical Sensing Behaviour of Ni doped Fe ₃ O ₄ Nanoparticles	R. Suresh ¹ , K. Giribabu ¹ , R. Manigandan ¹ , L. Vijayalakshmi ² , A. Stephen ³ and V. Narayanan	EC95	
NM-10	PHOTOLUMINESCENCE ANALYSIS OF Co DOPED ZnO NANO MATERIALS SYNTHESIZED BY COMBUSTION METHOD	Bini B Nair, Shajira P S, Jayasree R S and M Junaid Bushiri	EC102	
NM-11	Concentration Dependent Thermal Diffusivity Measurement of Silver Nanofluids using Dual Beam Thermal Lens Technique	N. Shemeena Basheer ¹ , B. Rajesh Kumar ¹ , Achamma kurian ¹ and Sajan D George ²	EC77	
NM-12	Synthesis, Characterization, Optical and Sensing Property of Manganese Oxide Nanoparticles	R. Manigandan ¹ , R. Suresh ¹ , K. Giribabu ¹ , L. Vijayalakshmi ² , A. Stephen ³ and V. Narayanan ¹	EC97	
NM-13	Williamson-Hall and Size Strain Analysis in Nanometer-Sized ZnO Particle	R.Sivakami ¹ , S.Dhanuskodi ^{1*} , J.Philip ²	EC126	
NM-14	EFFECT OF Mg DOPING ON OPTICAL	Shajira P S, Bini B Nair and M Junaid	EC103	

	PROPERTIES OF TIN OXIDE NANO PARTICLES	Bushiri		
NM-15	UV-visible and confocal Raman Micro-Raman scattering study of copper ions(Cu ⁺) exchange into soda glass	P. Manikandan, D. Manikandan, E. Manikandan and K.G.M Nair	EC111	
NM-16	Synthesis and Characterization of Nano Lanthana Alumina Mixed Oxides	K.B.Sherly and Marymol Moothedan	EC7	
NM-17	Facile, low temperature synthesis of nanocrystalline ZnAl _x Ga _{2-x} O ₄ solid solution and their optical properties	Sureshn. D. Kulkarni and S. A. Shivashankar	EC61	
NM-18	HNO ₃ Treated Multi-walled Carbin Nanotubes Coated Intensity Modulated Fiber Optic Sensors for Ammonia Vapor	L. R. Shobin, B. Renganathan, D. Sastikumar, Kyu Chang Park and S. Manivannan	EC24	
NM-19	Synthesis and catalytic activity of polysaccharide templated nanocrystalline sulfated zirconia	Sherly K. B and Rakesh. K	EC 5	
NM-20	A study of structural, optical and dielectric properties of crystalline Sr ₂ Nb ₂ O ₇ nano particles synthesized by a modified combustion technique	K C Mathai, S Vidya, J K Thomas	EC40	
NM-21	Synthesis and Characterization of Doped Cerium Based Salt	T. R. Sherly and R. Raveendran	EC34	
NM-22	Studies on Photoluminescence Mechanisms of Silicon Nanoparticles Grown Using Pulsed Laser Deposition	Detty. P.ALAPPATT, Bhrigu N. SINGH, Vasant G. SATHE, Deodatta M. PHASE, Aravind K. Srivastava,	N	

		Mahadevan V. PILLAI and Lalit M. KUKREJA		
NM-23	Photocatalytic activity of CNT/TIO ₂ Nanostructured Thin Films	Manoj R, Sajan G, Anaswara E. R and K. S. SUBIL, Rashmi and M. K. Jayaraj	N	
NM-24	Synthesis and Characterization of Nano Ceriumphosphate	T. R. Sherly and R. R.aveendran	EC33	
NM-25	Ultrafine nano-particles of boron carbide synthesis by Microwave and Combustion Methods	R. Saai Harini, E. Manikandan , S. Anthonysamy and D. Eswaramoorthy	EC116	
NM-26	Electrical and Microwave Properties of Flexible Micro and Nano Composite Based on Natural Rubber and Coir Fibers	Bipinbal P. K, Teena Thomas, Joseph J. Makkolil and Sunil K. N. Kutty	N	
NM-27	Interaction of Phospholipid with silver nanorods	K. N. Anju, S. Mahesh and Nandakumar Kalarikkal	EC115	
NM-28	Silvernanoparticle from extracellular Biosynthesis Using the Fungus and their Antimicrobial Activity	R. Devika, E. Manikandan, S. Elumalai and D. Easwramoorthy	EC113	
NM-29	Synthesis and Characterization of Gold Nanoparticles using <i>Psidium guajava</i> fruit extract	S. Lokina and Narayanan	EC99	
NM-30	Photoluminescence and Raman studies of Mn doped ZnO nanorods	R. Vinod, P. Sajan and M. Junaid Bushiri	EC28	

NM-31	Study on Metal Nanoparticles Induced Third-order Optical Nonlinearity in Phenylhydrazone Derivatives with DFWM Technique	Sudheesh P, Mallikharjuna Rao D and Chandrasekharan K	EC17	
NM-32	Effects of Substitutional Boron Doping on the Nonlinear Optical Properties of SWCNTs	Benoy Anand, S Siva Sankara Sai and Reji Philip	EC14	
NM-33	Size Dependent Nonlinear Optical Properties of YCrO ₃ Nanosystems	Shiji krishnan, Shafakath K, Reji Philip and Nandakumar Kalarikkal	EC82	
NM-34	SYNTHESIS OF INDIUM SULPHIDE QUANTUM DOTS IN PERFLUORONATED IONOMER MEMBRANE	Sumi R, Anita R Warriar and C Vijayan	N	
NM-35	Structural and dielectric properties of Ba _{0.7} Sr _{0.3} TiO ₃ (BST) thin films grown by PLD	K. K. James, Satish. B and M. K. Jayaraj	N	