

OMTAT 2013**Poster Presentations****Poster Session 3 in Hall - 3 on 5th January 2013 - (11.45 – 12.45)**

Thin films and Thin Film Preparation Techniques (TF: 1-18 and TT: 1-15)

Section: THIN FILMS				
TF-01	Red shift in the Band gaps of 200 MeV Ag ¹⁵⁺ Irradiated 'Li' 3 wt% doped Nb ₂ O ₅ Thin film	M. Kovendhan ^{1*} , D. Paul Joseph ^{2*} , P. Manimuthu ³ , S. Sambasivam ⁴ , J. P. Singh ⁵ , K. Asokan ⁵ , C. Venkateswaran ³ and R. Mohan ¹	EC6	
TF-02	THE FEASIBILITY OF USING METHYLENE BLUE SENSITIZED POLYVINYLALCOHOL FILM AS A LINEAR POLARIZER	K Jyothilakshmi, K Arathy, K.S Anju, P.B Krishna, C.T Sruthy, Maria Chacko, Abarna Asokan M.A and Beena Mary John	EC19	
TF-03	Optical Properties of Ordered defect compounds for CuIn ₅ Se ₈ and CuIn ₃ Se ₅ : an ab-initio study	S. Kumar, Suman Pandey and S. Auluck	EC36	
TF-04	Synthesis of Zinc Sulphide Nanoparticles and its Photodegradation Ability Towards Organic Pollutants	K. Giribabu ¹ , R. Suresh ¹ , R. Manigandan ¹ , L. Vijayalakshmi ² , A. Stephen ³ and V. Narayanan ¹	EC96	
TF-05	Chemical Bath deposited Nanocrystalline CdSe Films: A Spectroscopic Studies	Sumbit Chaliha	EC 65	
TF-06	Annealing effects on the structural and electrical properties of pulsed deposited BaPbO ₃ thin films	Satish B, M K Jayaraj	EC71	
TF-07	Growth kinetics of Cobalt Phthalocyanine (CoPc)	Murali Gedda, V V Subbarao Nimmakayala and	EC45	

	Thin Films Grown by Thermal Evaporation Technique	Dipak Kumar Goswami		
TF-08	STUDY ON STRUCTURAL, OPTICAL AND ELECTRICAL PROPERTIES OF CeO ₂ THIN FILMS DEPOSITED BY REACTIVE DC MAGNETRON SPUTTERING	Ravish K. JAIN ¹ , Gurjinder KAUR ^{1, 2} , Samta CHAUHAN ¹ , Yogendra K. GAUTAM and Ramesh CHANDRA	EC25	
TF-09	EFFECT OF ANNEALING TEMPERATURE ON THE STRUCTURAL AND OPTICAL PROPERTIES OF RF MAGNETRON SPUTTERED BaTiO ₃ THIN FILMS.	Maneeshya L V, Prabitha B Nair, Justinvictor V B, Georgi P Daniel, P.V.Thomas, K Joy	EC31	
TF-10	METAL-INSULATOR TRANSITION IN Lu ₃ Fe ₅ O ₁₂	P. Manimuthu, M. N. Jamal Ghousia Marriam and C. Venkateswaran	EC91	
TF-11	On The Structural And Impedance Characteristics Of Li- Doped PEO, Using N-Butyl Lithium In Hexane As Dopant	P.B. Anand and S. Jayalekshmi	EC72	
TF-12	Structural and Photoluminescence studies on Eu ³⁺ ions doped B ₂ O ₃ -PbO-PbF ₂ glasses for the red emission	S.Arunkumar and K.Marimuthu	EC93	
TF-13	Microstructure and physical properties of multiferroic hexagonal ErMnO ₃ thin films	Raneesh	EC 98	
TF-14	Low energy ion implantation of few-layered graphene synthesis on gold buffer layer over	E Manikandan, J Kennedy, B Mwakikunga, K Thanigaiarul, G	EC112	

	graphite sheet	Kavitha, K C Wilson and K G M Nair		
TF-15	Optical studies of ZnO doped polymer (PMMA) thin films	Shweta Moghe, Aman Acharya and S.B Shrivastava	EC59	
TF-16	Nonlinear optical properties of ZnO/PVA Nanocomposite films	Jeeju P P, Jayalekshmi S and Chandrasekharan K	EC106	
TF-17	Spectral, thermal and structural studies of a new polymorph of Cadmium L-glutamate: A nonlinear optical metal organic framework system	Dhanya and Sudarsanakumar	EC12=64	
TF-18	SYNTHESIS AND CHARACTERIZATION OF Ga, Al DUAL DOPED ZnO NANOSTRUCTURED THIN FILMS BY SPRAY PYROLYSIS	R. Amiruddin ¹ , R. Swapna ¹ , M. C. Santhosh Kumar ¹	EC=63	
Section: THIN FILM PREPARATION TECHNIQUES				
TT-01	DUAL ACCEPTOR DOPING AND AGING EFFECT OF P-ZnO:(Na, N) NANOROD THIN FILMS BY SPRAY PYROLYSIS	R. Swapna, R. Amiruddin ¹ , M. C. Santhosh kumar ¹	EC26	
TT-02	Highly Luminescent Transparent Conducting SnO ₂ Nanocrystalline thin films	B. S. Rani, I. Navas, D. Beena and V. P. Mahadevan Pillai	N	
TT-03	Comparison of in situ Crystallized ITO thin films and annealed films	Aijo John K, Manju T.	N	
TT-04	Morphology and Optical Properties of Mn ²⁺ Activated CaYAl ₃ O ₇ Phosphor	Anupam Selot, S J Dhoble and Mahendra Aynyas	EC56	
TT-05	STRUCTURAL, OPTICAL AND LUMINESCENT BEHAVIOUR OF CHEMICALLY DEPOSITED TIN	A C Dhanya, K Deepa, T L Remadevi	EC42	

	SULPHIDE THIN FILMS WITH UV ASSISTANCE			
TT-06	Effect of solvents on the photoluminescence emission of a few novel, light emitting segmented block copolymers	Sreekanth J.Varma ¹ , Ranjini R.Mohan ¹ , Vidya G ² , S.Jayalekshmi ¹ and S.Prathapan	EC86	
TT-07	Influence of Post Annealing Period on Structural, Electrical and Optical Properties of DC Reactive Magnetron Sputtered Zinc Aluminum Oxide Thin Films	Rajesh Kumar Borra	EC69	
TT-08	Copper Doped NiO Thin Films for tunable applications	Shweta Moghe, Aman Acharya, Richa Panda, S.B. Shrivastava and V. Ganesan	EC57	
TT-09	Thermally Evaporated Mechanically Hard Tin Oxide Thin Films for Opto-Electronic Applications	Rajeswari V P, Sumanta K Tripathy	EC23	
TT-10	EFFECT OF ANNEALING TEMPERATURE ON OPTICAL AND ELECTRICAL PROPERTIES OF ZRO ₂ -SNO ₂ BASED NANOCOMPOSITE THIN FILMS	Anitha V S, Sujatha Lekshmy, John Berlin and Dr K Joy	EC55	
TT-11	New Blue Emitting Materials Based on Naphthalimides for Organic Light Emitting Diodes	Hidayath Ulla ^{#1} , B. Garudachar ² , M.N. Satyanarayan ¹ , G.Umesh ¹ and A.M. Isloor ²	EC49	
TT-12	Compositional characterizations of atomic layer deposited alumina	Anu Philip, Subin Thomas and K Rajeev Kumar	EC120	

TT-13	Structural and Thermal Properties of Nanocrystalline CuO Synthesized by Reactive Magnetron Sputtering	Monu, V. K. Gupta and Ramesh CHANDRA	EC62	
TT-14	OPTICAL PROPERTIES OF UNDOPED and Mg-DOPED DELAFOSSITE CuCrO ₂ POWDERS SYNTHESIZED BY SOL-GEL ROUTE	Radhakrishnan Srinivasan and Sathish Bolloju	EC104	
TT-15	Electronic Properties of Cu-based Multinary Semiconductors	S.Kumar, Suman Pandey and Ravi Verma	EC15	