

OMTAT 2013**Poster Presentations****Poster Session 1 in Hall -3 on 3rd January 2013 - (17.00 – 18.00)**

Transparent Conducting Oxides and Magnetic Materials (TC: 1-22 and MM: 1-12)

| Section: TRANSPARENT CONDUCTING OXIDES | | | | |
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| Poster No. | Title | Authors | EC Chair No. | Remarks |
| TC-01 | Gas Sensing Properties of Magnesium doped SnO ₂ Thin Films in relation to AC conduction. | Deepa S, Anisha Joseph and Dr. Boben Thomas | EC 9 | |
| TC-02 | EFFECT OF ANNEALING ON THE PROPERTIES OF Sb DOPED ZnO THIN FILMS PREPARED BY SPRAY PYROLYSIS TECHNIQUE | Sadananda Kumar Kasturi V. Shivakumar | EC 10 | |
| TC-03 | ANNEALING EFFECTS ON STRUCTURAL, ELECTRICAL AND OPTICAL PROPERTIES OF ANTIMONY-TIN OXIDE THIN FILMS DEPOSITED BY SOL GEL DIP COATING TECHNIQUE | Sujatha Lekshmy S, Anitha V.S, John Berlin I, K Joy | EC 29 | |
| TC-04 | Preparation of Highly Conducting F:SnO ₂ Thin films using Spray Pyrolysis Technique | D. R. Deepu, K. B. Jinesh, C. Sudha Kartha | EC 78 | |
| TC-05 | Structural and Optical Studies on AgSbSe ₂ Thin Films | Namitha Asokan T, Urmila K S and Pradeep B | EC 20 | |
| TC-06 | Optical and Transport Properties of Silar Deposited ZnS Thin films Prepared from Aqueous/Ethanol Bath | Deepa K, Dhanya A. C and Remadevi T. L | EC 41 | |
| TC-07 | Synthesis of Nanostructured ZnS Thin Film | K. R Bindu, P V Sreenivasan and E. I. Anila | EC 39 | |

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| TC-08 | Synthesis and Characterization of Nanostructured ZnS Thin Film by Chemical Spray Pyrolysis | Safeera T A and Anju K J and Anila E I | EC 67 | |
| TC-09 | Preparation of Mesoporous Nanocrystalline Anatase TiO ₂ for Dye Sensitized Solar Cell Application | Stanly Jacob K, Abraham P.A, Rani Panicker and Pramanik | EC 89 | |
| TC-10 | Development of Ga- Al Doped, Sputter Etched, Zinc Oxide Based TCO for Thin Film Solar Cell Application | Rajive Tomy M, Sanjitha K K, Chandran Banerjee, Sreenivasan M G, K Mohanachandran and A K Barua | EC 88 | |
| TC-11 | Sprayed ZnO as Effective Window Layer for CIS/CdS Solar Cells | M S Sreejith, D R Deepu, C S Sudha Kartha and K P Vijayakumar | EC 79 | |
| TC-12 | Photoconductivity in reactirvly evaporated Copper Indium Selenide Thin films | Urmila K S, Namitha Asokan T, B P Pradeep, Geethu R, Rajani Jacob and Rachel Reena Philip | EC 30 | |
| TC-13 | Influence of In-situ Substrate Bias on Properties of Li-Mn-O Films Using High Frequently Magnetron Sputtering | Rajeev Tomy M, Anand P B, Anil Kumar K M, S Jayalekshmi | EC 76 | |
| TC-14 | Efficiency Studies on Titanium Dioxide Based Dye Sensitized Solar Cells with Natural Dye | S Ananth, P Vivek, P Murugakoothan | EC 53 | |
| TC-15 | Studies on Optoelectronic properties of DC Reactive Magnetron Sputtered CdTe Thin Films | Rajesh Kumar BORRA, Hymavathi BASIREDY and Subha Rao THITA | EC 70 | |
| TC-16 | Improving Properties of Absorber and Window Laayers of Sprayed CuInS ₂ /In ₂ S ₃ Solar Cells Through Optimization of Spray Rate and Doping | M V Santhosh, C Sudha Kartha, K P Vijayakumar | EC 50 | |

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| TC-17 | Evolution of Structural and Optical Properties of Photocatalytic Fe Doped TiO ₂ Thin Films Prepared by rf Magnetron sputtering | Prabitha B Nair, Maneeshya L V, Justinvictor V B, Georgi P Daniel, K Joy, P V Thomas | EC 37 | |
| TC-18 | Optoelectronic and Low Temperature Thermoelectric Studies on Nanostructured Thin Films of Silver Gallium Selenide | Rajani Jacob, Rachel Reena Philip, Sheeba Nazer, Anitha Abraham, Sinitha B Nair, Pradeep B, Urmila K S and Okram G S | EC 35 | |
| TC-19 | Structural and Opto-electrical properties of nanocrystalline CdIn ₂ Se ₄ thin films | S K SarsamkaR, M R Asabe and A H Manikshete | EC 4 | |
| TC-20 | Studies on L-citrulline doped potassium dihydrogen phosphate- a non linear crystal with significant nonlinear properties | Sreevalsa V G and Jayalekshmi S | EC105 | |
| TC-21 | LINEAR AND NONLINEAR OPTICAL PROPERTIES OF A NEW ORGANIC NLO GUANIDINIUM NITRATE (GN) SINGLE CRYSTAL | P Vivek, S Ananth and P Murugakoothan | EC52 | |
| TC-22 | Dynamics of atom-field probability amplitudes in a coupled cavity system with Kerr nonlinearity | Priyesh K V and Ramesh Babu Thayyullathil | EC 118 | |
| Section: MAGNETISM | | | | |
| MM-01 | Structural and Magnetic Properties of Chromium Doped Zinc Ferrite | Rintu Mary Sebastian, Smitha Thankachan, Sheena Xavier, Shaji Joseph and E M Mohammed | EC 21 | |
| MM-02 | Double Dumbbell Shaped AgNi Alloy by Pulsed Electrodeposition | K. Dhanapal, M Vasumathi, Kalavathy Santhil, V Narayana and A Stephen | EC 80 | |
| MM-03 | Synthesis and Studies of Cu _{0.5} Fe _{2.5} O ₄ | Sheeja, N.V. Vasudevan Nair | EC87 | |
| MM-04 | Magnetic Property of | Kuntal Kabra, N. | EC101 | |

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| | Quaternary Heusler Alloy Co ₂ Mn _{0.5} Fe _{0.5} Si on nano-scale | Lakshmi and K. Venugopalan | | |
| MM-05 | STRUCTURAL AND MAGNETIC PROPERTIES OF MGFE ₂ O ₄ CERAMIC | Manikandan. M*, Manimuthu. P and Venkateswaran. C | EC83 | |
| MM-06 | Optical limiting study on Li modified Sodium Niobate Nanoferroelctrics | Anu Philip, Reji Philip and Nandakumar Kalarikkal | EC109 | |
| MM-07 | Effect of Pr-Mn Substitution on the Structural and Magnetic Properties of Multiferroic BiFeO ₃ | K.Saravana Kumar, J. Ayyappan, K. Dhanapalan and Venkateswaran | EC81 | |
| MM-08 | 1st Principles calculations of electronics and magnetic properties of layered compounds FeGa ₂ S ₄ and NiGa ₂ S ₄ | Ramesh Sharma, Chamma Tiwari and Yamini Sharma | EC47 | |
| MM-09 | Effect of Sintering Temperature on the Structural and Electrical Properties of Cobalt ferrite Nanoparticles | Sheena Xavier, Jiji M.K., Smitha Thankachan and E.M. Mohammed | EC8 | |
| MM-10 | Dielectric and conductivity studies of ZnO/Eu ³⁺ :titanosilicate matrix | Arun Kumar. K. V, Sunil Thomas, Ann Mary, Cryriac Joseph, Biju P. R, and Unnikrishnan N. V | EC73 | |
| MM-11 | Optical properties of PrAlO ₃ Nano ceramic | Remya G. R, Sam aolomon, Jijimon. K. Thomas, Annamma John | EC46 | |
| MM-12 | Electical and Dielectrical Properties of ZnO and CeO ₂ Doped ZrTi ₂ O ₆ Nanoceramic | Aneesh George, Jijimon. K. Thomas, Annamma John and Sam Solomon | EC43 | |