

**International Conference on Electron Microscopy and Allied Techniques and XXXVIII Annual Meeting
of the Electron Microscope Society of India (EMSI-2017), 17 – 19 July, 2017**

EMSI ID	Poster ID	Author	Title
EMSI20170012	0012	M A Shah NIT Srinagar, Srinagar	Prospects of Electron Microscopy in Nanotechnology
EMSI20170019	0019	Abinash Kumar Indian Institute of Science, Bangalore	Understanding Formation of Beaded Heterostructure of PbTe on Te Nanowires using Electron Microscopy
EMSI20170026	0026	Khushboo Yadav IIT Kanpur, Kanpur	Switchable Azobenzene Derivatives on HOPG
EMSI20170029	0029	Yagnesh shadangi Indian Institute of Technology (BHU)	Electron Microscopy Investigation of Sn Reinforced Al-Cu-Fe Quasicrystalline matrix and Al-Cu-Fe Quasicrystals Reinforced in 6082 Al-matrix composite
EMSI20170031	0031	Yogesh Rawal Panjab University, Chandigarh	SEM of Fish Scale as a Tool for Resolving the Taxonomic Ambiguity in Two Species of Featherbacks from Harike Wetland, Punjab (India)
EMSI20170037	0037	Periketi Madhusudhanachary EM Facility, NIN, Tarnaka Hyderabad	Ultra structure and EDAX-ray analysis of bolivian white quinoa (super millet)
EMSI20170047	0047	Manmath Kumar Dash Homi Bhabha National Institute Indira Gandhi Centre for Atomic Research, Kalpakkam	Texture evolution during cold rolling and subsequent annealing in 18%-Cr ODS Steel
EMSI20170053	0053	Hiranmayee Vadlamani Advanced fuels studies Section, FChD, MC& MFCG, IGCAR, Kalpakkam	TEM Investigation of nanocrystalline uranium synthesized by microwave assisted gel combustion synthesis
EMSI20170067	0067	Virendra Yadav School of Nanosciences, Central University of Gujarat, Gandhinagar, Sector 30, 382030	Synthesis, characterization of magnetic nanoparticles by sonochemical method and its application for the removal of selected (Pb and Cr) fly ash heavy
EMSI20170070	0070	Kadhiravan Shanmuganathan CSIR-National Chemical Laboratory	Using Electron Microscopy to Probe the Dissolution of Melanins
EMSI20170073	0073	Saikumaran A Homi Bhabha National Institute Indira Gandhi Centre for Atomic Research, Kalpakkam	Effect of processing route on the microstructure of equiatomic CrFeNbNiV alloy
EMSI20170076	0076	Arijit Sinha Indian Institute of Engineering Science and Technology, Shibpur	Strontium doped hydroxyl apatite derived from Mercenaria clam shells
EMSI20170081	0081	Saikat Acharya CSIR-Central Glass and Ceramic Research Institute	Dynamic mechanical properties of SS304L in comparison with SS316LN

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EMSI ID	Poster ID	Author	Title
EMSI20170082	0082	Sabeena M	Nature of phase transformations in Ti-7Mo alloys at varying cooling conditions
EMSI20170087	0087	Pradeep Singh SABIC	Effect of electron beam irradiation on aromatic polymers
EMSI20170099	0099	Jyoti Shankar Jha IIT Bombay	Characterization of thermo mechanically treated Ti6Al4V alloy using transmission Kikuchi diffraction(TKD)
EMSI20170102	0102	Aditya Narayanan Singh IGCAR	Evolution of microstructure and its influence on mechanical properties in thermally aged Alloy 617
EMSI20170103	0103	Anindya Pal Indian Institute of Engineering Science and Technology, Shibpur	Extraction of hydroxyl apatite from Lates calcarifer bones
EMSI20170105	0105	AJITH KUMAR S Junior Research Fellow, Centre of Excellence for Energy Research, Sathyabama Univesity, Chennai	Structural and Morphological Investigation of Sm and Gd Co-doped Ceria/Na ₂ CO ₃ Nano composite for Intermediate Temperature Solid Oxide Fuel Cell
EMSI20170114	0114	Rohini M Sanikop Indian Institute of Technology Madras	Magnetic properties of 2D-MoS ₂
EMSI20170115	0115	Shreevalli Madiyala Junior Research Fellow, IGCAR, Kalpakkam	Microstructural and Microchemical Studies of Solution Deposited BiFeO ₃ -PbTiO ₃ Thin Films
EMSI20170116	0116	Chandran K Indira Gandhi Centre for Atomic Research, Kalpakkam	Studies on the chemical compatibility of D9-B4C-Na system
EMSI20170119	0119	Biswajit samanta Indira Gandhi Centre for Atomic Research, Kalpakkam	Compatibility study of molten ZrAl alloy with Y ₂ O ₃ ceramic at 2100 K
EMSI20170120	0120	Dasarath maji Indira Gandhi Centre for Atomic Research, Kalpakkam	Characterizations of Nanocrystalline (U _{1-x} Ce _x)O ₂ solid solutions by Electron Microscopy
EMSI20170121	0121	Gopal Avashthi Central University of Gujarat	Exploring the Electron Diffraction Patterns for Crystalline Behaviour of Edge Functionalized Graphene Oxide
EMSI20170126	0126	Damayanthi Dahanayake Sri Lanka Institute of Nanotechnology, Nanotechnology and Science Park, Homagama, Sri Lanka	Study of reduced graphene oxide by transmission electron microscopy
EMSI20170127	0127	G V Suresh Indira Gandhi Centre for Atomic Research, Kalpakkam-603102, India	Steam oxidation behavior of 18Cr ODS Coatings on Mod. 9Cr-1Mo deposited by Pulsed laser deposition

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EMSI ID	Poster ID	Author	Title
EMSI20170128	0128	Krishna Kanth Neelisetty Institute of Nanotechnology, Karlsruhe Institute of technology	In situ TEM Biasing and Characterization of Memristive Devices: Challenges and prospects
EMSI20170130	0130	Tapan Das Multifunctional Materials Laboratory, Department of Physics, Indian Institute of Technology Madras,	Quantum Dot Sensitized Solar Cell: Efficient Light Harvesting Through Band- gap Engineering of CdSe and Using Composite-TiO ₂ Photoanode
EMSI20170140	0140-A	Pavithra B Indian Institute of Science, Bangalore	Simple liquid phase exfoliation of Molybdenum oxide (MoO ₃) rods to 2D sheets
EMSI20170140	0140-B	Pavithra B Indian Institute of Science, Bangalore	Synthesis of Metal oxide thin films by self-assembly of nanoparticles at air- water interface
EMSI20170144	0144	R Sudha Indira Gandhi Centre for Atomic Research, Kalpakkam 603102, India	Surface characterisation and analysis of radionuclide trap materials for use in fast reactors
EMSI20170145	0145	Sumita Santra Scientific officer, Nuclear Fuel Complex	TEM study of microstructure of Zr- 2.5%Nb pressure tubes fabricated from different routes
EMSI20170150	0150	Sweety Arora indian institute of science	Electron Microscopy of ZnO nanoparticle decorated graphene produced by mechanical milling
EMSI20170153	0153	Krishna Kumar IIT Madras	Characterization of bimetallic nanoparticles using electron microscopy
EMSI20170156	0156	Mattilang Kharkongor North Eastern Hill University	Microscopic analysis of Blood in Polypedates teraiensis tadpoles exposed to chlorpyrifos
EMSI20170160	0160	Mainak Sen IIT KHARAGPUR. INDIA	Tensile Deformation Mechanism of a β Titanium alloy for aircraft structural application
EMSI20170161	0161	Debasish Kumar Ghosh Graduate Student / Centre for DNA Fingerprinting and Diagnostics	HYPK formed sequestration complex 'Annulosomes' act as scaffold for autophagic clearance of Huntingtin aggregates
EMSI20170162	0162	Sivagnanam Shanmugasundaram Tanuvas	Scanning Electron Microscopic study of the thymus in non descript goats in thanjavur

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EMSI ID	Poster ID	Author	Title
EMSI20170167	0167	Satyaprasad Akkireddy FCIPT, Institute for Plasma Research	Investigation of Tungsten deposition using Magnetron Sputtering & its Characterization
EMSI20170172	0172	P. L. Deepti Veer Surendra Sai Institute of Technology, Burla	Electrical properties of layered structure bismuth oxide: $MgBi_2V_2O_9$
EMSI20170176	0176	Nasrin Banu Indian Association for the Cultivation of Science	Amorphisation and recrystallization in Si substrate in Si/Ni/Si trilayer system upon ion irradiation at room temperature: dependence on thickness of t
EMSI20170178	0178	S. Barath Kumar Indira Gandhi Centre for Atomic Research, Kalpakkam	Ultra-structural alterations in gill tissues of <i>Scylla serrate</i> (mud crab) on exposure to uranium.
EMSI20170179	0179	A. Ananthanarayanan Bhabha Atomic Research Centre	Radiation Damage in Borosilicate Glasses: Insights from Electron Microscopy
EMSI20170181	0181	Yesu Raja V Central university of tamilnadu	Changes in morphology of human blood Erythrocytes with various concentration of EDTA mixture
EMSI20170182	0182	Ramamoorthy Ramaiah Tamil nadu Agricultural University	Surface morphology studies of silkworm (<i>Bombyxmori</i> l.) bmnpv through scanning electron microscopy investigation
EMSI20170183	0183	Sinduja M Homi Bhabha National Institute Indira Gandhi Centre for Atomic Research, Kalpakkam	Solid state thermal dewetting of gold films evaporated on silicon
EMSI20170185	0185	Akshay Kumar Budumuru Multifunctional Materials Laboratory, Department of Physics, IIT Madras, Chennai- 600036	Mn Substituted Olivine Phosphate Nanowires as High-Rate-Capability Cathode for Lithium Ion Battery
EMSI20170186	0186	Ajay Kumar Vaddepally Rajiv Gandhi University of Knowledge Technologies-Basar	Green Synthesis and Characterization of Copper and Copper Oxide Nanoparticles
EMSI20170202	0202	GeetiSubhra Jena Indira Gandhi Centre for Atomic Research, Kalpakkam	Detailed Microscopic Studies on Graphene Oxide coated stainless steel substrates
EMSI20170203	0203	Sudha Uthaman Sathyabama University	Characterizing the deterioration resistance of nanophase modified fly ash concrete through detailed microbiological and microstructural studies
EMSI20170205	0205	Alphy George, Indira Gandhi Centre for Atomic Research, Kalpakkam	HRTEM Study of Fine Precipitation of γ' (L12) Intermetallics in Austenitic Stainless Steel

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EMSI ID	Poster ID	Author	Title
EMSI20170206	0206	Bhabatosh Biswas Indian Institute of Engineering Science and Technology, Shibpur,Howrah- 711103,West Bengal,India	Effect of functionalized ZrO ₂ incorporation on structural and mechanical behaviour of Unsaturated Polyester/Jute composites
EMSI20170207	0207	Vanithakumari S.C. Indira Gandhi Centre for Atomic Research, Kalpakkam	Surface modification of cupronickel alloys for improved corrosion and biofouling resistance
EMSI20170211	0211	Paramita Maiti Institute Of Physics, Bhubaneswar, Odisha, India, 751005	Structural study of β -MoO ₃ nano-ribbons grown by molecular beam epitaxy technique
EMSI20170222	0222	Pragna Bhaskar Indira Gandhi Centre for Atomic Research, HBNI, Kalpakkam	Characterization of W-Re alloys synthesized by mechanical alloying
EMSI20170223	0223	Vairavel Mathayan, Indira Gandhi Centre for Atomic Research, Kalpakkam, India	Chromium segregation in self ion implanted FeCr alloy prepared by arc melting
EMSI20170224	0224	Neha Chandrakar Indian Institute of Technology, Bombay	Comparative study of ultra-high diluted gold nanoparticles with Aurum metallicum 6c and in vitro uptake on HeLa cells
EMSI20170227	0227	Santhosh R Senior Research Fellow, HBNI, Indira Gandhi Centre for Atomic Research (IGCAR), India.	Microstructural Study of Slow Cooled Hyper-Eutectic U-15 wt.% Cr Alloy
EMSI20170228	0228-A	Shwetha Shetty Ariyadka, Indian Institute of Science, Bangalore- 560012	Electron Microscopy of Reduced Nanocrystals of SrTiO ₃
EMSI20170228	0228-B	Shwetha Shetty Ariyadka, Indian Institute of Science, Bangalore- 560012	Hybrid Noble Metal-Metal Oxide Architectures by Wet Chemical Methods
EMSI20170234	0234	Sivakumar Mani HBNI/ Indira Gandhi Centre for Atomic Research,Kalpakkam	Microstructural characterization of sintered pellets of Fe-15Wt.% ZrO ₂ and Fe-15Wt.%Y ₂ O ₃ -5Wt.%Ti model ODS systems
EMSI20170235	0235	Manish Chandra Indira Gandhi Centre for Atomic Research, Kalpakkam	Microscopic characterization of Tb-Al and Y-Al electrodeposits prepared in LiCl-KCl eutectic

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EMSI ID	Poster ID	Author	Title
EMSI20170241	0241	Wajih jamal Aligarh Muslim University	A SEM study on structural diversity in some soil nematode
EMSI20170244	0244	Priyanka Kumbhar Reliance Industries LTD. Ghansoli, mumbai	Rapid Algal Sample Preparation for Transmission Electron Microscopy by Microwave Tissue Processor
EMSI20170245	0245	Abhirup Basu, IIT Bombay	Physico-chemical characterization of zinc oxide at ultra high dilution and in vitro studies on mammalian cells
EMSI20170247	0247	Dr. Baban Dhonge, Indira Gandhi Center For Atomic Research Kalpakkam India	Influence of Thickness on Optical Property of WO ₃ Thin Film Synthesis Using Pulsed Laser Deposition
EMSI20170250	0250	Bibhu Prasad Sahu, IIT Kharagpur	Study of crystallization behavior of amorphous sputtered Ni-Zr thin films by in-situ heating in TEM
EMSI20170251	0251	Somasundaram Murugesan Indira Gandhi Centre for Atomic Research, Kalpakkam	Synthesis and structural studies of Mg stabilized zirconia by sol-gel route
EMSI20170254	0254	Mohamed Aleem, GE India Technology centre	Study of Creep Behavior of Direct Metal Laser Sintered (DMLS) CoCrMo alloys
EMSI20170256	0256	Rajashree Samantray National Institute of Technology, Rourkela	Synthesis and Characterization of Nano-Y ₂ O ₃ Dispersed Zr-Fe Alloys by Mechanical Alloying and Conventional Sintering
EMSI20170259	0259	Balaji Birajdar, Jawaharlal Nehru University, New Delhi	Microstructure of 0.9(KNbO ₃)-0.1(BaNi _{0.5} Nb _{0.5} O _{3-δ}) Solid solution
EMSI20170261	0261	Prabhat Kumar Rai IIT Kanpur	Development of graded microstructure and effect of grain boundary fraction on corrosion behavior of mild steel
EMSI20170262	0262	Dr. Kartik Prasad Defence Metallurgical Research Laboratory, DMRL	Transmission electron microscopy investigations of dislocation arrangements in tensile deformed near α titanium alloys
EMSI20170265	0265	Renu Ghanghas Defence Metallurgical Research Laboratory, Hyderabad	Effect of alloying elements on the microstructure of the Gamma Ti-Aluminides
EMSI20170269	0269	Noopur jain indian institute of science	A study on the structure and microstructure of ion-exchanged titania nanotubes
EMSI20170273	0273	Nidhi Puri Department of Physics and Astrophysics, Delhi University, Delhi	Electronic transport in textured Ca ₃ Co ₄ O ₉ polycrystalline ceramics

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EMSI ID	Poster ID	Author	Title
EMSI20170239	0239	Puspendu Guha Institute of Physics, Bhubaneswar	Electron Microscopy Study of Silver Nanoparticles on Oxide Surfaces
EMSI20170274	0274	Suraj Kumar Defence Metallurgical Research Laboratory, Hyderabad	Morphological and Structural Studies of Nano-Titanates for Radionuclide Removal for Water Purification
EMSI20170277	0277	Borra Rajesh Kumar Gitam university, Visakhapatnam, A.P	Effect of Oxygen Flow Rate on Microstructural, Surface Morphological, and Optical Properties of Zinc Aluminum Oxide Thin Films
EMSI20170281	0281	Rajeev Kumar Rai, Indian Institute of Science, Bangalore-560012	Wet Chemical Synthesis and Characterization of 2D Layered Materials (SnS ₂ /MoS ₂) and their Hybrids for Catalytic Applications
EMSI20170284	0284	Anjali Rana Rana Himachal Pradesh University, Shimla	Preparation and optical dispersion parameters of Ga-doped Ge-S chalcogenide glass thin films
EMSI20170291	0291	Sandeep Sahu Indian Institute of Technology Kanpur	Effect of deformation parameters on grain boundary character and triple junction distribution in a Nickel-based superalloy
EMSI20170292	0292	Shubhra Bajpai CSIR-Institute of Minerals & Materials Technology, Bhubaneswar, India	Spark Plasma sintering of ODS steel and its characterization
EMSI20170293	0293	Ankur Sharma Indian Institute of technology (BHU), Varanasi	Synthesis and Structural Characterization of Multiferroic BiMO ₃ (M=Mn, Cr, Fe)
EMSI20170294	0294	Barid Baran Lahiri, Indira Gandhi Center For Atomic Research, Kalpakkam, India	Atomic force microscopy based studies on the field induced orientation of magnetic nano-emulsions
EMSI20170295	0295-A	Ahin Roy, Kyushu University, Fukuoka, Japan 819-0395	Phase-selection and Growth Mechanism of Electrochromic WO ₃
EMSI20170295	0295-B	Ahin Roy, Kyushu University, Fukuoka, Japan 819-0395	Surface Stress Induced Relaxation in Metal Nanowires
EMSI20170296	0296	Sangeetha Jayakumar Indira Gandhi Center For Atomic Research, Kalpakkam, India	Atomic Force Microscopy of PVA-Bi ₂ O ₃ , PVA-Gd ₂ O ₃ and PVA-Multifiller Nanocomposites
EMSI20170303	0303	N Lekshmanan Parthasarathi Indira Gandhi Center For Atomic Research, Kalpakkam, India	Sliding wear studies of plasma nitrided AISI 316 L(N) by scanning electron microscope

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EMSI20170309	0309	S Tamilselvan, CVASc, GBPUAT, pantnagar-263145	Scanning electron microscopic study of the mesenteric lymph nodes in goats
EMSI20170313	0313	Sharona Horta Jawaharlal Nehru Centre for Advanced Scientific Research	Surface spin canting in Fe ₃ O ₄ and CoFe ₂ O ₄ nanoparticles probed by high resolution electron energy loss spectroscopy
EMSI20170314	0314	Anandkumar B Indira Gandhi Center For Atomic Research, Kalpakkam, India	A Microscopic Eye-view on the Journey of Manganese Oxidizing Bacteria, Bacillus flexus on the Surfaces of Materials
EMSI20170316	0316	Manikanthababu N Indira Gandhi Center For Atomic Research, Kalpakkam, India	Ion induced intermixing and consequent effects on the leakage currents in HfO ₂ /SiO ₂ /Si systems
EMSI20170318	0318	Manish Kumar Singh Indian Institute of Technology (Banaras Hindu University)	Quantitative high resolution phase contrast imaging of Au-Cu bimetallic nanostructures
EMSI20170332	0332	Balasaritha P Indira Gandhi Center For Atomic Research, Kalpakkam, India	Low Energy Argon Ion Irradiation Induced Phase Transformation In Zirconia -TEM Analysis
EMSI20170333	0333	Ariharan S, IIT-Kanpur	Phase Stabilization and Toughening by Carbon Nanotubes in Alumina-based Composites for Thermal Barrier Coatings
EMSI20170339	0339	Rita Maurya, IIT-Kanpur	Corrosion Behavior of Micro Scale Phosphate Chemical Conversion Coating on Novel Mg-9Li-7Al-1Sn and Mg-9Li- 5Al-3Sn-1Zn Alloys
EMSI20170344	0344	N. C. Mehra, University of Delhi, Delhi-110007, India	Fabrication of single wall nanotube based flexible sensor for NO ₂ detection
EMSI20170352	0352	Arya Chatterjee Indian Institute of Technology Kharagpur, WB, India	Mechanism of dynamic deformation at low and high temperature in low-C lath martensitic steel
EMSI20170354	0354	Vinita Agrawal Sanjay Gandhi Postgraduate Institute of Medical Sciences	Clinicopathological and Electron Microscopic Features of Alport Syndrome: An Experience from SGPGIMS, North India
EMSI20170355	0355	Manoj Settem IIT Madras	Effect of amorphous carbon support on measured strain variation within a nanoparticle
EMSI20170356	0356	Sharada Sawant Advanced Centre for Treatment, Research & Education in Cancer	Clinical significance of fragmented basement membrane in human oral cancer: Ultrastructural study

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EMSI ID	Poster ID	Author	Title
EMSI20170359	0359	Akash Singh Indira Gandhi Center For Atomic Research, Kalpakkam, India	Synthesis and Characterization of magnetron sputtered alloyed films of ZrAlN (Al: 13 at%)
EMSI20170361	0361	Chiranjit roy IIT MADRAS	Evolution of Microstructure and Mechanical Behaviour of Thermo- Mechanically Processed Micro-alloyed Ultrahigh Strength Steel
EMSI20170367	0367-A	Debadarshini samantaray Indian Institute of Science , Bangalore	Mesoporous Gold Nanowires : Synthesis and Properties
EMSI20170367	0367-A	Debadarshini Samantaray Indian institute of science , Bangalore	Mechanistic study of formation of single crystalline pt nanowire
EMSI20170369	0369	Prabhat Yadav Indian Institute of Technology, Kanpur	Thermally stable nanostructured Inconel 718 alloy prepared by high rate severe plastic deformation process
EMSI20170373	0373	V. Thomas Paul Indira Gandhi Center For Atomic Research, Kalpakkam, India	Failure Analysis of Motorised Bellow Sealed Valve of Sodium Loop in FBTR
EMSI20170378	0378	Ravikiran HBNI, IGCAR, Kalpakkam 603102, India and SRM University, Kattankolattur, 603203, India	Effect of high W content in the kinetics of evolution of secondary phases in 9Cr Reduced activation Ferritic Martensitic Steels
EMSI20170380	0380	Jagnaseni Pradhan Indira Gandhi Center For Atomic Research Kalpakkam-603102,India	Effect of monomer and dimer Argon ion impacts on Graphene
EMSI20170385	0385	Ripan K. Biswas CSIR - Central Glass and Ceramic Research Institute	Study of atomic scale structure of nanocrystalline Ba _{0.8} Sr _{0.2} TiO ₃ as prepared by high energy ball milling using advanced X-ray based technique and ele
EMSI20170387	0387	Vaishnavi Krupa B R, Indira Gandhi Center For Atomic Research Kalpakkam India	Study of amorphization resistance behavior of Y ₂ O ₃ and ZrO ₂ powders during high energy ball milling
EMSI20170389	0389	Arpan Das, Bhabha Atomic Research Centre, Mumbai	Microstructure Complexity of Pressure Vessel Steels
EMSI20170390	0390	MD Mahabul islam IIT Madras	Determining charge distribution across a high-K di-electric / semiconductor interface at atomic scale using inline electron holography
EMSI20170391	0391	Jabila Mary T.R Sathyabama University	Bioimaging on Effect of Streptomyces Derived β-lactamase inhibitor in MRSA
EMSI20170392	0392	Pritam Banerjee IIT Madras	Morphological evaluation of clog material for production of clean steel
EMSI20170394	0394	Ashwani Singh Jawaharlal Nehru University	Graphene activated Vanadium doped CdSe Quantum Dots

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EMSI ID	Poster ID	Author	Title
EMSI20170398	0398	Vikas Shivam Indira Gandhi Center For Atomic Research, Kalpakkam, India	Synthesis and Structural Characterization of AlCoCrFeNiMn high entropy alloy (HEA) processed by mechanical alloying and microwave sintering
EMSI20170399	0399	Avnish singh Pal Indira Gandhi Center For Atomic Research, Kalpakkam, India	Electron Microscopy Investigation of Growth Mechanism and Interfaces of ZnO Nanorods on Insulating, Semiconducting Surfaces
EMSI20170404	0404	MR. Ankit Singh Indira Gandhi Center For Atomic Research, Kalpakkam, India	Alloy Design and Electron Microscopy Characterization of Fe-based Bulk Amorphous Alloy Coating on Steel
EMSI20170411	0411	Rajesh Jarugula Indian Institute of Technology Madras	The influence of strain rate and temperature on the evolution of microstructure in ODS-18Cr steel
EMSI20170414	0414	Piyush Avasthi Indian Institute of Technology Mandi	Rapid growth of high surface area Au dendrites using one step electroless method for supercapacitor application
EMSI20170415	0415	Divya Verma Indian Institute OF Technology, Mandi	Investigating the role of structural phase transition in VO ₂ -PMMA polymer composite in high strain resistant applications
EMSI20170417	0417	Rajendra kumar Angara Centre for DNA Fingerprinting and Diagnostics	Expression of Rv2989 in M. smegmatis induces early phase of dormancy
EMSI20170422	0422	Veerababu R Defence Metallurgical Research Laboratory	Effect of tempering treatments on the microstructure of copper bearing high strength low alloy (HSLA) steel
EMSI20170426	0426	Farsa Ram CSIR-National Chemical Laboratory	Electron Microscopy of PVDF Nanocomposites
EMSI20170428	0428	Gadadhar Sahoo R&D Center for Iron and Steel Steel Authority of India Ltd. Doranda, Ranchi-834002, India	Texture Evolution in Non-Oriented Electrical Steel
EMSI20170429	0429	Karkala Gururaj Raghavendra, HBNI, Indira Gandhi Center For Atomic Research, Kalpakkam, India	Structural Characterization and Probing of Surface Optical Phonon Modes in AlGaN Nanorods
EMSI20170431	0431	Shirley Auxilia L HBNI , Indira Gandhi Center For Atomic Research, Kalpakkam, India	Investigations on rhenium (Re) distribution in Ca _{10-x} Re _x (PO ₄) ₆ (OH) ₂ (x=0-0.25) apatite by scanning electron microscopy

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EMSI20170433	0433	S. S. Pany, Bhabha Atomic Research Centre, Mumbai	Implementation of derivative-free optimization techniques for refinement of Scanning Electron Microscope (SEM) electron-optics design
EMSI20170436	0436	Nitin Sharma IIT Kanpur	Error in misorientation angle distribution for electron back-scatter diffraction (EBSD) during recrystallization of cold rolled Cu-Zn alloy
EMSI20170438	0438	Pooja Rani IIT Kanpur	Liquid like Nucleation in Nanoscale Thin Films
EMSI20170439	0439	Mr. Sumit Majumder Jadavpur University and Saha Institute of Nuclear Physics	Non-enzymatic H ₂ O ₂ and AA biosensing study based on graphene wrapped Au plasmonic nanostructure electrode
EMSI20170447	0447	Reena awasthi BARC	Electrochemical Corrosion behaviour of Ni-Mo-Cr-Si Hardfacing alloy Deposited on Stainless steel substrate by laser cladding
EMSI20170449	0449	Sravya Tekumalla, Indian Institute of Science	EBSD characterization of a ductile Mg-1.8Y alloy
EMSI20170450	0450	Mr. Mantu Modak Saha Institute of Nuclear Physics	Fe ₃ O ₄ @MnO ₂ core@shell nanocomposite: Enhanced photoluminescence and pseudocapacitance behavior
EMSI20170453	0453	Ambreen Nisar IIT Kanpur	Sintering mechanism and kinetics of spark plasma sintered TaC
EMSI20170456	0456	Jegadeesan P, Indira Gandhi Centre for Atomic Research, Kalpakkam	Ion irradiation effects in thoria - EELS analysis
EMSI20170457	0457	Piyush Haluai Indian Institute of Technology (BHU) Varanasi	Electron Microscopy of Modified Surface in Ultrasonically Shot Peened Al 2024 Alloy
EMSI20170458	0458	Ms. Komal Dhankhar Department of Physics and Astrophysics, University of Delhi	Synthesis and characterization of lead free Na _{0.52} K _{0.44} Li _{0.04} Nb _{0.84} Ta _{0.10} Sb _{0.06} O ₃ ceramic
EMSI20170459	0459	Mr. Abid Hussain University of Delhi	Effect of Sb on dielectric, piezoelectric and ferroelectric properties of 0.64PMN-0.36PT ceramics
EMSI20170460	0460	Rakesh Kumar Pal Bhabha Atomic Research Centre, Mumbai	Transgranular stress corrosion cracking of SS-316L pipe in H ₂ S environment

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EMSI20170469	0469	Trideep Banerjee IIT Kharagpur	Microstructure Evolution in a high strength near β ; Ti alloy, Ti-5Al-5Mo-5V-3Cr for aircraft structural applications
EMSI20170471	0471	Sachin Srivastava Indira Gandhi Center For Atomic Research, Kalpakkam, India	Optical properties of MoS ₂ nanorods
EMSI20170476	0476	Suboohi Shervani IIT Kanpur	Multi-mode Hydrogen Storage in Nanocontainers
EMSI20170478	0478	Bharat Reddy Bhabha Atomic Research Centre	Microstructure evolution of Zr alloy during hot deformation
EMSI20170479	0479	Vajinder Singh DMRL, Hyderabad	Microstructural and Mechanical Property Characterization of Gamma-TiAl alloy
EMSI20170484	0484	Srijan Acharya Indian Institute of Science Bangalore	Microstructural changes due to plastic deformation in low modulus beta titanium alloys
EMSI20170486	0486	Kiran N Centre for Incubation, Innovation Research and Consultancy	Temperature dependent HRTEM study of embedded growth of Ag nanostructures inside SiO ₂ matrix
EMSI20170491	0491	Mitun Das CGCRI, Kolkata	Microstructural and mechanical property evaluation of laser processed metal matrix composites
EMSI20170502	0502	Amutha A Centre FOR Nanoscience And Technology, Pondicherry University	Microstructure Investigations of SnO ₂ nanocrystals
EMSI20170504	0504	Arun Kumar Panda Indira Gandhi Centre for Atomic Research, Kalpakkam	Texture evolution study of magnetron sputtered Ag Thin films
EMSI20170507	0507	Rajib Sahu JNCASR, Bangalore	Nature of low dimensional structural modulations and relative phase stability in Re _x Mo(W) _{1-x} S ₂ transition metal dichalcogenide alloys
EMSI20170508	0508	Girish K Deokar Department of Biotechnology, SLS, North Maharashtra University	Green Synthesis of High Valued Gold Nanoparticles (AuNp) From Waste
EMSI20170515	0515	Aashranth B Indira Gandhi Center For Atomic Research, Kalpakkam, India	EBSM and Confocal Laser Scanning Microscopy: Complementary Techniques to Study Flow Localisation during Metalworking

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EMSI ID	Poster ID	Author	Title
EMSI20170517	0517	Maheswari N IIT-Madras	Effect of partitioning temperature and time on the microstructure evolution of Q&P steels
EMSI20170519	0519	Hakikat Sharma H. P. University Shimla	Surface and Phase Transition studies of Lead - free Zr - Modified BaTiO ₃ Thin Films
EMSI20170520	0520	Baljinder Kaur Himachal Pradesh University- Shimla	Structural and magnetic properties of CoTiO ₃ annealed at different temperatures
EMSI20170521	0521	Khushubo Tiwari IIT Kanpur	Extremely Large Undercooling During Solidification of Ternary Bi ₄₄ In ₃₃ Sn ₂₃ Triphasic Nanoparticles Embedded in Icosahedral Matrix
EMSI20170522	0522	Sheetal Issar Department OF Physics & Astrophysics, University Of Delhi	Chemical synthesized TiO ₂ nanostructures in various shape and size
EMSI20170523	0523	Surekha Yadav IIT Kanpur	Microstructural and tribological properties of (AlCrFeMnV) _{100-x} Bi _x (x = 0, 5 and 10) High Entropy Alloys
EMSI20170525	0525	Sanjeev Kumar IIT-BHU	Influence of ultrasonic shot peening on microstructure of Ti-6Al-4V alloy
EMSI20170532	0532	Rupendra Singh Rajpurohit IIT (BHU), Varanasi	Electron Microscopic Investigations of Ratcheting Fatigue Behavior of Zircaloy-2 at 300°C
EMSI20170534	0534	Shashi Kumar, NIP,ICMR, New Delhi	Pathological changes in placenta in relation to low birth weight babies on PAH exposure
EMSI20170540	0540	Dr. Arnab Ghosh Indian Institute of Technology Kharagpur	Easy large scale growth of Au-GeO ₂ nanowires on Ge(100) substrates by simple air annealing: Surface-plasmons and oxygen-defects mediated visible-light
EMSI20170555	0555	Divya Kosuri Alpha Assembly Solutions	Intermetallic Formation in Photovoltaics Modules
EMSI20170559	0559	Padmalochan Panda HBNI, Indira Gandhi Center For Atomic Research, Kalpakkam, India	Synthesis and characterization of oriented AlN thin films by transmission electron microscopy
EMSI20170570	0570	Narmada Vasva, IIT Madras	Structural and morphological studies of CZTS thin films
EMSI20170571	0571-A	Khadambari B Indian Institute of Technology Madras	Synthesis of Nano-ink based Cu _{2-x} Zn _{1.3} SnS ₄ thin films and Graphene doped novel Quantum dot Nano-materials for Photovoltaic Solar Energy Applications

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EMSI ID	Poster ID	Author	Title
EMSI20170571	0571-B	Khadambari B Indian Institute of Technology Madras	Synthesis and Characterisation of Solution based processing technique for fabricating Kesterite $Cu_{2-x}Zn_{1.3}Sn_4$ thin films for Photovoltaic Solar Energy Applications
EMSI20170587	0587	Ezhilarasi Thalamuthu Indira Gandhi Center For Atomic Research, Kalpakkam, India	Characterization of Sodium Infiltration in Porous Alumina
EMSI20170588	0588	Benadict Rakesh Indian institute of Technology Madras	CIS Semiconductor Quantum Dot Anchored TiO_2 Microspheres for Photovoltaic Application
EMSI20170590	0590	Thirumurugesan Raman Indira Gandhi Center For Atomic Research, Kalpakkam, India	Synthesis and Characterisation Studies of W/Cu Multilayers
EMSI20170591	0591	Anirudha Karati IIT Madras	Electron microscopy investigation of equiatomic nanocrystalline CoCrFeNi- based high entropy alloys
EMSI20170603	0603	Thangadurai P Pondicherry University	Microstructural studies of Ag quantum dots
EMSI20170606	0606	Malvika Karri BARC, Mumbai	Precipitation of a chromium-rich phase in Alloy 693 during ageing at elevated temperatures
EMSI20170613	0613	Parshuram Shukla CSIR-National Chemical Laboratory, Pune, India	Application of Electron Microscopy in Controlled Release Systems
EMSI20170615	0615	Gundolla Sainath Indira Gandhi Center For Atomic Research, Kalpakkam, India	Interesting Observations on Deformation Behavior at Nanoscale
EMSI20170622	0622	Pratibha Pandey, Defence R&D Estab. (DRDE), Gwalior, India	Bulk water sterilization using nonwoven dip type bags filled with CuONP-GAC composite
EMSI20170648	0648	Abdul Rahim Siddiqui IIT-Kanpur	Superhydrophobic Carbon Nanofiber Coating on Various Substrate for oil water separation
EMSI20170651	0651	Ashutosh Kumar Shahi, IIT(BHU), Varanasi-221005, India	Optical properties of CdSe nanoparticles synthesized by laser ablation in liquids
EMSI20170663	0663	Sureshkumar Natarajan PSG Institute of Advanced studies	Morphological analysis of silica extracted from rice husk by simple heat treatment process
EMSI20170667	0667	Dhruba Das IIT Madras	Top seeded infiltration growth of $(Y,Gd)Ba_2Cu_3O_y$ bulk superconductors with high critical current densities
EMSI20170687	0687	Chandrakala Kunchi BITS Pilani, Hyderabad Campus	Application of Optical, SEM and Confocal Laser Scanning Microscopy in Hair Research

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EMSI ID	Poster ID	Author	Title
EMSI20170692	0692	Bharti Sharma University of Delhi	Anticancer activity of graphene doped iron oxide nanoparticles by magnetic hyperthermia
EMSI20170696	0696	Anita Kumari Manhas HPU Shimla	Synthesis And Characterization Of Soft Z-Type Hexa Nanoferrites For Microwave Antenna Miniaturization
EMSI20170801	0801-A	Pranesh Sengupta/ Puja Mahadik Bhabha Atomic Research Centre, Mumbai	Electron microscopy studies on Gadolinite
EMSI20170801	0801_B	Pranesh Sengupta/ Puja Mahadik Bhabha Atomic Research Centre, Mumbai	Electron microscopy study on Bentonite clay: Effect of Cs-sorption
EMSI20170805	0805	Mohanraju R Faculty of Life Sciences, Pondicherry University, Brookshabad Campus	Assessment of green route synthesis of silver nanoparticles by mangrove species Rhizophora apiculata of Andaman coast
EMSI20170806	0806	S. Sujith GE India Technology Center, EPIP-II	Characteristics of a New Diffusion Aluminide Coating on a Cobalt based Alloy FSX414
EMSI20170825	0825	Chandrabhan Dohare School of Physical sciences, Jawaharlal Nehru University, New Delhi (INDIA)	Hopping conduction in Chalcogenide $Se_{98-x}Ag_2In_x$ ($x=0, 2, 4, 6$) system
EMSI20170829	0829	D. Kabiraj IUAC, New Delhi	Study of ion beam shaping of silica embedded bimetallic nano-particle by TEM
EMSI20170831	0831	Prafull pandey Department of Materials Engineering, Indian Institute of Science	Role of Ti addition on microstructural, thermophysical and mechanical properties of W- free Co based superalloys