

## Material Science

Serial	Name	Abstract title
1	Alphy George	Study of Nanoscale Instabilities in a Ti-Mo alloy by Phase Contrast Microscopy
2	Manmath Kumar Dash	Study of Crystallographic Texture Evolution during High Temperature Deformation of 18Cr-ODS Ferritic Steel based on Plasticity Assessment
3	Ahin Roy	3-D Atomic Structure of Ultrathin Metal Nanowires: The Cases of Au and Pt
4	Piu Rajak	Direct evidence of SmCo <sub>5</sub> /Co exchange coupled multilayer thin films formation using HAADF STEM imaging
5	S.Saikrishna	Development of Prototype EDX Digital Signal Processor for Operation in presence of Radioactive Background
6	Gaurav Rayal	A method for spatial analysis of particles in raw EDX maps
7	P K Patro	Influence of pore-formers on microstructure, gas permeation and associated electrochemical performance of electrodes in Solid Oxide Cell
8	Manoj Kumar Gupta	Flexible Nanogenerator based on Piezoelectric Nanostructures
9	T. P. Yadav	Electron Microscopy of Two dimensional - Quasicrystalline metallic alloys with enhanced hydrogen evolution
10	Smrutisikha Bal	Analysis and comparison of CNF and ACNT reinforced epoxy composite using microscopic technique
11	Sanatnu Parida	Surface band bending in GaN Nanowire using Kelvin probe force microscopy
12	Sabyasachi Saha	Microstructural Characterization of GaN grown on SiC
13	Satyabrata Si	Tailoring the Surface of Gold Nanostructures for Catalytic Applications
14	Puspendu Guha	Energetically favored site specific Ag decorated layered molybdenum oxide hetero-structures: Experimental and theoretical studies
15	Bishnupad Mohanty	Metal di-chalcogenide Quantum Dots as an efficient electrocatalysis for oxygen evolution reaction
16	Kalpataru Panda	Direct observation of local electron emission sites in ultrananocrystalline diamond films by scanning Probe Microscopy
17	Prithwidip Saha	Selection of Self-assembled Patterns of 1,3-Dithia Derivative of Ferrocene by the Nature of Solvent
18	Hrishikesh Bhunia	Interior to Edge of WS <sub>2</sub> : an Insight form Scanning Tunneling Spectroscopy
19	Prashant Sharma	Effect of Heavy Mass Ion (Gold) and Light Mass Ion (Boron) Irradiation on Microstructure of Tungsten

20	Sanjay Kumar	Microstructural investigations of Xe+ ion irradiated UO <sub>2</sub>
21	H Lenka	Microscopic characterization of GaN heterostructures using TEM and Channeling-RBS: A comparative study
22	Dipanwita Chatterjee	Ultrathin Au based Alloy Nanowires: Chemistry and Structure at the Atomic Scale
23	Himani Malik	Ultra-Thin Films of Functional Ferrocene Derivatives on HOPG
24	Piyush Avasthi	Meter scale CVD growth of vertically aligned CNT and Iron oxide nano beams on stainless steel for flexible asymmetric supercapacitor
25	Nitul S. Rajput	Maneuvering nanostructures using Focused electron beam
26	Aashish Chourey	Correlative Interactive In-Situ Analysis on the Nanoscale by combination of AFM and SEM
27	S.K. Das	The Use of Qemscan (Quantitative Evaluation of Minerals by Scanning Electron Microscope) In Process Mineralogy - Three Case Studies
28	S Mondal	Optimization of hot rolling process of Al–Cu alloy after minor additions of Zr and Nb
29	N. Keskar	Effect of thermo-mechanical treatments on the Cr precipitation in binary Ni-Cr alloy
30	Harish Donthula	Atomic site correspondence between parent and product phases in the eutectoid transformation of Ti-Cu alloy
31	L Venkatesh	Influence of Stacking Fault Energy (SFE) on the microstructure of cold sprayed Aluminium Bronze coatings
32	Somdipta Chatterjee	Birth and demise of osumilite in ultrahigh temperature metapelites from the Eastern Ghats Province, India

## Life Science

Serial	Name	Abstract title
1	Amir Kumar Samal	Chemical method of tissue drying is an ergonomically flexible option for scanning electron microscopy of olfactory organs of juvenile fish
2	Saurabh Chakraborti	Fine structure of the adhesive digital pads and sub-terminal tubercles in the tree-frog <i>Polypedates maculatus</i> (Annandale, 1912)
3	Amrita Saha	Microbial sequestration of nitrate and phosphate by <i>Bacillus</i> sp. MCC0008

4	S S Salaj	Paleothermometric inferences using Electron Dispersive Spectrometry and Elemental mapping: A comparison of Ostracod species Bairdoppilata (Bairdoppilata) alcyonicola and Actinocythereis cutigera from offshore Visakhapatnam, Bay of Bengal, India
5	Rakesh Kumar Majhi	Ultrastructural analysis of mammalian sperm by super resolution microscopy and electron microscopy reveals unique cytoskeletal organization
6	Sayani Das	Studies on Vibriophage using Electron Microscopy
7	Sahina Gazi	Taxonomy at the Microscopic scale? Significant observations from the Southern Indian Ocean using FE-SEM Technique
8	Priya Baid	Structural insights into the interactions of non-canonical protein factors with the V. cholerae 70S ribosome during various stresses
9	U. K. Mishra	Ultra-structural features of the lymphoid cells of major lymphatic organs of the prenatal goat (Capra hircus)

## Medicine

Serial	Name	Abstract Title
1	MDCO-02: Banajit Bastiya	Expression of Endothelin-1 and Ultrastructural Changes in Placenta of Tobacco-users
2	MDCO-03: Chiman Kumar	Age related ultrastructural changes of large and medium sized vessels of human choroid
3	MDCO-04: A. Panda	To be announced
4	MDCO-05: Avishek Bhuniy	Tumor educated activated platelets promote vascular mimicry in mesenchymal stem cell for metastasis
5	MDCO-06: Jnanranjan Par	PLGA-based magnetic nanoparticles for targeted delivery of docetaxol for breast cancer therapy
6	MDCO-07: Sharada Swan	Ultrastructural and molecular analysis of alterations in cell adhesion junctions during sequential progressive grades of rat tongue carcinogenesis.