

Tentative Scientific Program of ICSM-2016

12th December 2016			
08:00- 09:00	Registration		
09:00- 09:10	Inauguration		
09:10-09:30	Welcome address by Prof. Udaykumar Yaragatti, Director MNIT Jaipur		
09:30-10:00	Opening Talk by Prof. Ashutosh Sharma, Secretary, DST, Govt. of India		
10:00-10:30	High Tea		
Session 1: Nanofabrication			
10:30-11:15	P-1	G U Kulkarni	CeNS, Bangalore, India
11:15-11:45	IT-1	P B Sunil Kumar	IIT Madras, India
11:45-12:15	IT-2	Satinder K. Sharma	IIT Mandi, India
12:15-12:25	O-1	Sumita Sahoo	IIT Kharagpur, India
12:25-12:35	O-2	Sankalp Verma	IIT Kanpur, India
12:35-12:45	O-3	Akash Mathur	IIT Indore, India
12:45-12:55	O-4	Kumud Tripathi	Gachon University, South Korea
13:00- 14:00	Lunch break		
Session 2: Self-Propelled particles			
14:00- 14:30	IT-3	Ronald Winkler	FZJ, Julich, Germany
14:30- 15:00	IT-4	Christophe Ybert	University of Lyon, France
15:00- 15:10	O-5	W.E. Uspal	Max Planck Institute for Intelligent Systems Germany
15:10- 15:20	O-6	Dipanjan Chakraborty	IISER Mohali, Punjab, India
15:20-15:30	O-7	Sunil K. Singh	Guru Ghasidas University Bilaspur, India
15:30- 16:00	Tea Break		
Session 3: Polymer			
16:00-16:30	IT-5	A. Pich	DWI, Aachen, Germany
16:30-16:40	O-8	Garima	IIT Roorkee, India
16:40-16:50	O-9	Manoj Vyas	University of Delhi, INDIA
16:50-17:00	O-10	Rahul Patwa	Indian Institute of Technology Guwahati, India
17:00-17:10	O-11	Sanjay Kumar Behera	Raman Research Institute, Bangalore, India
17:10-17:20	O-12	G. Swaminath Bharadwaj	IIT Madras, Chennai, India
17:20-17:30	O-13	Yogita Kumari	MNIT Jaipur, India

13th December, 2016

Session 4: Dynamics of Complex Fluids

09:00-09:45	P-2	Holger Stark	TU, Berlin, Germany
09:45-10:15	IT-6	Irmgaurd Bischofberger	MIT, Cambridge, USA
10:15-10:45	IT-7	Michael Schmiedeberg	FAU, Erlangen, Germany
10:45-10:55	O-14	Ankita Pandey	Nagoya University, Japan
10:55-11:05	O-15	Geetha G. Nair	CeNS, Bangalore, India

11:05- 11:30

Tea Break

Session 5: Liquid Crystal

11:30:12:15	P-3	F. Sagues	Univ. of Barcelona, Spain
12:15-12:45	IT-8	Ronojoy Adhikari	IMSC, Chennai, India
12:45-12:55	O-16	Veena Prasad	CeNS, Bangalore, India
12:55-01:05	O-17	Navneeta Katyan	University of Edinburgh, UK

13:05- 14:00

Lunch Break

14:00-18:00

VISIT TO CITY

18:30-20:30

Conference Dinner

14th December 2016

Session 6: Functional Materials

09:00-09:30	IT-9	C. Han	UiTM, Shah Alam, Malaysia
09:30-10:00	IT-10	Kamlesh Kumar	Eindhoven University of Technology, The Netherlands
10:00-10:10	O-18	Diptiman Dinda	IACS, Jadavpur India
10:10-10:20	O-19	Reny Thankam Thomas	NIIST, Trivandrum, Kerala, India
10:20-10:30	O-20	K S Asha	IISER, Thiruvananthapuram, Kerala, India
10:30-10:40	O-21	Kuber C Bhainsa	BARC, Mumbai-400085, INDIA
10:40-10:50	O-22	Raj Kumar	IIT Roorkee, India
10:50-11:00	O-23	Jitendra Kumar	Punjab University, Chandigarh, India

11:00- 11:30

Tea Break

Session 7: Nanomaterials

11:30:12:00	IT-11	Akimitsu Narita	MPI-P Research, Germany
12:00-12:10	O-24	Sujitkumar B. Jain	Indian Institute of Technology Madras, Chennai-India
12:10-12:20	O-25	Supriya Gupta	IIT Delhi, India
12:20-12:30	O-26	Apurva Naik	BARC, Mumbai, India
12:30-12:40	O-27	Vikas Sharma	MNIT Jaipur
12:40-12:50	O-28	Pragati Fageria	BITS Pilani
12:50-13:00	O-29	Sudheshna Moka	IIT Delhi, India

13:00- 14:00

Lunch Break

Session 8: POSTER SESSION

14:00-16:30

POSTER SESSION

16:30:17:00

Tea Break

18:00-20:30

Cultural Program and Dinner at VGU, Jaipur

15th December 2016**Session 9: Self-Assembly**

09:00-09:45	P-4	V. Abetz	University of Hamburg, Germany
09:45-10:15	IT-12	A. Fery	IPF Dresden, Germany
10:15-10:45	IT-13	Bhanu Nandan	IIT Delhi, India
10:45-10:55	O-30	Avanish Singh Parmar	IIT BHU, Varanasi, India
10:55-11:05	O-31	Sanhita Chaudhury	BARC, Mumbai, India

11:05- 11:30**Tea Break****Session 10: Biological Soft Matter**

11:30:12:00	IT-14	Christos N. Lokos	Univ. of Vienna, Austria
12:00-12:30	IT-15	Shashi Thutupalli	NCBS, Bangalore, India
12:30-12:40	O-32	Purva Kodlekere	Georgia Institute of Technology, Atlanta, USA
12:40-12:50	O-33	D. Gopalakrishnan	Sathyabama University, Chennai, India
12:50-01:00	O-34	Geethu P M	IIT Madras, Chennai, India

13:00- 14:00**Lunch Break****Session 11: Soft Magnetic Materials**

14:00-14:30	IT-16	Arti Kashyap	IIT Mandi, India
14:30-15:00	IT-17	Varsha Banerjee	IIT Delhi, India
15:00-15:10	O-35	Shatabda Bhattacharya	IACS, Kolkata, India
15:10-15:20	O-36	Satya Pal Singh	M.M.M. Univ. of Tech., Gorakhpur, India
15:20-15:30	O-37	A.W Zaibudeen	IGCAR, Kalpakkam, INDIA

15:30-16:00**Tea Break****Session12: Soft Materials for Energy Application**

16:00-16:30	IT-18	S. Chand	NPL, New Delhi
16:30-17:00	IT-19	Ajay Soni	IIT Mandi, India

16th December 2016

Session13: Membranes

09:00-09:45	P-5	Oliver G Schmidt	IFW, Dresden, Germany
09:45-10:15	IT-20	Y K Vijay	VGU Jaipur, India
10:15-10:25	O-38	Sanat Karmakar	Jadavpur University, Kolkata, India
10:25-10:35	O-39	Kirti Sankhala	Institute of Polymer Research, Helmholtz-Zentrum Geesthacht, Germany
10:35-10:45	O-40	Swati Gahlot	CSMCRI, Bhavnagar, India
10:45-10:55	O-41	Rajesh Kumar	MNIT Jaipur, India
10:55-11:05	O-42	Kamakshi	Banasthali University, Banasthali, India

11:05- 11:30

Tea Break

Session 14: Nanomaterials for biological applications

11:30:12:00	IT-21	K.C. Gupta	IIT Roorkee, India
12:00-12:30	IT-22	Vaibhav Kulshrestha	CSMCRI, Bhavnagar, India
12:30-13:30	VALIDICTORY FUNCTION		

13:30- 14:30

Lunch Break

Poster Presentation

SNo	ID	Name	Title
1.	1007	MS. POOJA KUMARI	Raman Spectroscopy Studies of Bismuth Telluride Nanostructures
2.	1010	DR NAVEEN KUMAR	Development of Novel Biological Soft Tissue Materials for Tissue Engineering
3.	1011	DR NAVEEN TANWAR	Study of Activation energy of crystallization and growth morphology of Ge _{25-x} Se ₇₅ S _x (x = 12, 15, 18) Chalcogenide glasses
4.	1016	PRASHANT THAPLIYAL	Investigation of rheological and fatigue behavior of Cu nano-fluids
5.	1036	GIRISH GANWANI	Study of chemical state of iron in upper cretaceous sediments of well DND-1 located in Jaisalmer Basin of Rajasthan using ⁵⁷ Fe Mössbauer spectroscopy
6.	1043	KUMARI PRITI SINHA	Electrohydrodynamics of a compound vesicle under AC electric field
7.	1047	LENIN S. SHAGOLSEM	Copolymer nanocomposite thin-films under shear: Flow profile and Macroscopic response
8.	1051	GAURAV VYAS	Calixarene functionalized silver nanoparticles based lab on a molecule for selective sensing of amino acids
9.	1052	SHREYA A BHATT	Hydrothermal synthesis carbon dots from Oscimium tenuiflorum leaves via green route and its application for selective sensing of Cr (VI) in aqueous media
10.	1064	PURNA CHANDRA RAO	Friedel-Crafts Alkylation of Indoles with Nitroalkenes through Hydrogen-Bond-Donating Metal-Organic Framework
11.	1074	PARUL RATURI	ZnO nanowires based superhydrophilic mesh for oil water separation
12.	1078	PARUL TANEJA	Detection of cadmium ion in potable water using quartz crystal microbalance
13.	1087	SAHELY SAHA	Preparation and characterization of HAp coated Chitosan-Alginate PEC porous scaffold for bone tissue engineering
14.	1092	ABEY THOMAS	Tuning the Structural, Optical and Electrical Properties of TiO ₂ -GeO ₂ Nanocomposite Thin films
15.	1093	ASHA P	Efficient Adsorptive Removal of Chemical Warfare Agent Simulants From Aqueous Medium by Zr-based MOFs
16.	1108	AJAY KUMAR	2D structured nano-sheets of Octadecylamine grafted g-C ₃ N ₄ as lubricant additives
17.	1110	SARITA MANN	Significance of flexural mode in thermodynamic properties in pure graphene
18.	1117	SOUMITRA BHOWMIK	Morphological Changes of Diacetylene based Dipeptide Appended Bolaamphiphiles through Topochemical Polymerization
19.	1124	SAGAR BISWAS	Development of Solvent Dependent Bicomponent Molecular Self-assembly and Recyclable Enzymatic Esterification in Emulsion-gels
20.	1140	REKHA SELVAN	Effect of altered membrane elasticity on the passage of human red blood cells through narrow channels
21.	1141	SAROJ SHARMA	Tailoring the Particle Size Distribution in Suspension Polymerization of poly(MMA-co-EGDMA): Role of Stabilizer and Agitation Rate
22.	1142	PRIYA JADOUN	Temperature Dependent Dielectric Behaviour of Nanocrystalline Co _{0.5} Mg _{0.5} Cr _{0.4} Fe _{1.6} O ₄ Ferrite

23.	1146	ANVY MOLY TOM	Mechanism of chain collapse of strongly charged polyelectrolytes
24.	1156	MEERA THOMAS	Polyelectrolyte induced swelling of an amphiphilic lamellar phase
25.	1165	NAINSI SAXENA	Importance of Organization of SiO ₂ Nanoparticles on Superhydrophilicity of Glass
26.	1167	PRAVEEN P	Fine-tuning cell membrane stiffness: Effect of Bovine Serum Albumin probed through the optomechanical response in an optical trap
27.	1170	MANISH ANAND	Long Range Dipolar Interactions in Small Magnetic Cluster: Consequences on Spin Morphologies and Heat Dissipation
28.	1172	ARUNKUMAR BUPATHY	Domain Growth of the d = 3 Ising Model with Dipolar Interactions
29.	1173	NEHA PATNI	Polymer based dye sensitised solar cell: Blended approach towards making efficient solar cell
30.	1175	GAUTAM SINGHVI	Design and Characterization of Polymeric Nanoparticles of Pioglitazone Hydrochloride and Study the Effect of Formulation Variables Using QbD Approach
31.	1177	LOKESH KUMAR	Effective doping of Er(3+) in ZnO nanoparticles to control its luminescent properties
32.	1178	DR. HOSIYAR SINGH MUND	Temperature induced effects on nano-crystallite magnesium ferrite
33.	1183	TEJAL AGARWAL	Origin of spatial organization of DNA polymer in a bacterial genome.
34.	1184	POONAM RATREY	Study of interaction of Lasioglossin-III with lipid bilayers by Molecular Dynamics simulations
35.	1185	POOJA GARG	Investigating efficacy of Cu nanoparticles as additive for Biolubricants
36.	1187	SREEJA SASIDHARAN	AMP induced phase separation in lipid bilayer
37.	1189	DR. S. N. DOLIA	Magnetic behaviour of nano-crystalline perovskite oxide La _{0.67} Sr _{0.33} Mn _{0.9} Cu _{0.1} O ₃
38.	1192	JAYEETA LAHIRI	Boron Nitride on metallic substrates
39.	1193	SHIVA DIXIT	Annealing effect on chemically synthesized ZnO nanoparticles
40.	1194	SUNIL KUMAR SINGH	Lanthanide doped ultrafine inorganic-organic hybrid nanostructure for energy harvesting application
41.	1203	KONARK BISHT	Target nding by Twitching bacteria on a nite two-dimensional surface
42.	1206	MUBEEN SEKH	Heirachically self asseblly of nanoparticles in Micellar Matrix
43.	1207	DR. DEVASHANKAR S	FTIR, FTRaman, Powder X-RD and DSC analysis of Padauk wood cellulose.
44.	1211	PREETI B HAMMANAVAR	Investigation of high Z components doped in polymeric films, using 2π configuration X-ray fluorescence technique
45.	1226	MOHIT SAINI	Surfactant like behaviour of imidazolium based ionic liquid and study of its aggregation behaviour with polyelectrolyte in aqueous solution
46.	1233	SWATI GAHLOT	CNT/SPEEK Nanocomposite Membranes: Towards Improved Properties
47.	1237	SHRUTHI S IYENGAR	Hydrodynamic mediated correlations between a core shell bead and a dielectric bead using dual optical tweezers

48.	1240	VIMAL KUMAR DEWANGAN	Bioprinting of Three-dimensional Tissue Constructs
49.	1246	SHIKHA DWIVEDI	Pair correlation functions of a two-component system of particles interacting via Gay-Berne potential
50.	1248	BIPLAB KUMAR MANDAL	Integral equation theory of nematic quadrupoles
51.	1257	DR. JAGDEESH KUMAR SRIVASTAVA	Studies on the mesogenic changes in binary mixtures of 6CHBT with ionic liquids having different anionic contents
52.	1259	MAYARANI M	Temperature dependent swelling and solvent uptake in supported Poly(N-isopropylacrylamide) microgel Ims in presence of water vapor
53.	1264	JAGRATI SAHARIYA	Electronic and Optical Properties of ZnAl ₂ Se ₄ and Its Use in Solar Cell
54.	1271	A. SHARMA	Growth of Fe nanostructures by oblique angle deposition
55.	1273	NARENDRA JAKHAR	X-ray Absorption Spectroscopic Investigation of Ferromagnetic Ni-doped ZnO
56.	1275	NITESH KUMAR	Preparation of γ -Fe ₂ O ₃ nanoparticles from mild steel for magnetically-guided drug delivery
57.	1280	MOHAN LAL	Synthesis and characterization of PVA functionalized iron nanoparticles
58.	1291	P K SARASWAT	Glassy Se In Sb: CD conductivity and Ban gap
59.	1296	SUMIT MAJUMDER	3D micro-snowflakes architectures of hematite: morphology dependent magnetic property and a high sensitive non-enzymatic hydrogen peroxide and hydrazine electrochemical sensor
60.	1299	K C BHAMU	Band gap tuning of CuInO ₂ for solar cell applications
61.	1302	D K RANA	Study of electrical an magnetic properties of PVA cobalt ferrite nanocompoiste films
62.	1312	SAMAY SINGH MEENA	⁵⁷ Fe Mössbauer spectroscopic study of sedimentary samples from Goru formation in well MNW-1 of Jaisalmer basin, Rajasthan, India
63.	1313	PRADIPTA CHATTOPADHYAY	Characterization and application of surfctant foams produced from ethanol sodium Laural sulfate silika nanopartticle mixture for soil remediation
64.	1314	RAJESH KUMAR MEENA	Flower-shaped ZnO nanoparticles synthesized and effect of Annealing on the Optical Properties
65.	1319	MAHENDRA SINGH RATHORE	The effects of annealing temperature on formation of Ge nanocrystals in GeO ₂ matrix
66.	1322	ARUN VINOD	Growth and characterization of Au nanocrystals stacked between hafnia layers for non-volatile memory applications
67.	1324	ANIL KUMAR	An efficient and facile method for dual morphology polyaniline-MWCNT nanocomposites for EMI shielding applications
68.	1325	DINESH SAINI	Structural transformations and hysteresis behaviour of Ni ₄₆ Cu ₄ Mn ₄₅ Sn ₅ alloy synthesized by ball milling method
69.	1327	SATYAVIR SINGH	Influence of 100 keV Ar Implantation on Electrical and Optical Properties of TiO ₂ /Ag/TiO ₂ Multilayer Films
70.	1328	NEERU SHARMA	Synthesis and Characterization of GO and rGo for Possible Gas Sensing Application
71.	1332	PRAVEEN MISHRA	Photoluminescence Quenching in Metal Ion (Cu ²⁺ , Co ²⁺) Interacted Graphene Quantum Dots
72.	1335	PREM P. SHARMA	One pot synthesis of cation exchange membrane by free radical polymerization

73.	1338	ANIMESH M R	Fabrication of large area thin film photonic crystals for IR reflective transparent coating applications
74.	1339	N B SUMINA	Synthesis of Exfoliated Ultra-thin TiO ₂ Nanosheets using Microwave-assisted Sonochemical Method
75.	1345	NABEELA KALLAYI	Ultra-light Nanocellulose/Ag Aerogels with Tunable Surface Area for Multifunctional Applications
76.	1347	NILANJAN HALDER	Morphological and Optical properties of Annealed TiO ₂ Nano particles prepared by Sol-gel route in an acidic medium
77.	1349	SHUSHANT KUMAR SINGH	Ag-ZnO Nanocomposite Thin Film by RF Sputtering: An Electrical and Structural Study
78.	1350	K. A. SHUHAILATH	A Multifunctional CeO ₂ Decorated AlOOH/PEI Catalytic Sorbent for Efficient Removal of Organic and Microbial Contaminants
79.	1351	SURBHI	Use of Low Energy Xe Ion Beam to Enhance the Properties of CNT Based TCE Deposited on a Flexible Substrate
80.	1352	GARIMA MAKHIJA	Investigation on Solution Processed Graphene Oxide Based Tri-layer Structure for Transparent Conducting Electrode
81.	1357	DEEPU MOHANAN	Cucurbituril [7]-grafted cellulose acetate filter paper using 'Click Chemistry'
82.	1361	RINI SINGH	Surface oxidation studies of Nanostructured Bismuth Telluride
83.	1362	SAVITHA.S	Synthesis and Characterisation of Magnetic colloids
84.	1367	KALPANA GUPTA	Size, shape, composition and phase controlled synthesis of Multinary chalcogenides semiconductors (MCSs)
85.	1368	R. O. SHARMA	Quantum Monte Carlo study of Buckled GaAs Monolayer
86.	1369	BHAGWATI PRASAD BAHUGUNA	Electronic and Optical Properties of GaAs Bilayer
87.	1371	ABIN SEBASTIAN	Green synthesis of phenolics fabricated iron oxide nanoparticles and its implication in environmental clean up
88.	1375	ZAKIYA SHIREEN	Aggregation of fractal aggregates inside fractal cages in irreversible DLCA binary systems
89.	1384	DEVYANI SHUKLA	pH Reversible Proteolytic Digestion-Resistant Graphene Oxide – Protein Conjugate for Biomedical Application
90.	1385	DR. UMA S. HIREMATH	Synthesis and characterization of novel chiral dimers exhibiting highly frustrated liquid crystal phases
91.	1387	ABHRAJIT LASKAR	Microhydrodynamics of Active filaments
92.	1388	RAJESH SINGH	Universal hydrodynamic mechanisms for crystallization in active colloidal suspensions
93.	1389	RAJ MANNA	Colloidal transport by active laments
94.	1390	PRIYANCA CHOUDHARI	Swimming of a low Reynolds number one-hinge flexible swimmer in a Newtonian fluid
95.	1391	ISHA MALHOTRA	Irreversible aggregation of patchy colloidal particles leading to tubular structure
96.	1399	VIKAS KUMAR	Studies of High Energy (MeV) ion induced modification in SnO ₂ -TiO ₂ thin films
97.	1366	WILLIAM USPAL	Guiding catalytically active particles with chemically patterned surfaces

98.	1402	SUBIR PATLA	Ion Beam Irradiation in PEO – PVDF Co-polymer Blend Solid Electrolytes : Effect on Relaxation and Ion Transportation
99.	1403	NISHA GUPTA	Statics and dynamics of a polymer on an active substrate
100.	1134	SHATABDA BHATTACHARYA	Ultrathin β -Ni(OH) ₂ layers grown on MoS ₂ surface as giant coercive 2D ferromagnets
101.	1165	NAINSI SAXENA	Self-assembly of Sodium Carboxymethyl Cellulose on the Glass Surface from Evaporating Drops
102.	1175	GUATAM	Aspirin Loaded PCL nanoparticles-Effect of formulation variables on particle size and drug loading
103.	1211	PREETI B HAMMANAVAR	Study of Lead Nitrate Doped PVA/PVP Blend Films using EDXRF and Complementary Techniques
104.	1233	SWATI GAHLOT	Kinetics of Hydrated Proton in Ion Exchange Membranes by MRI and Impedance Spectroscopy
105.	1299	K C BHAMU	Electronic structure and optical study of La doped CdTe
106.	1360	SUPRIYA GUPTA	Polymer mediated interaction between functionalized clay nanosheets
107.	1001	DR. KUMUD KANT AWASTHI	Toxicity of Silver Nanoparticles on Blood Cells, Serum Enzymes and Anti-oxidant enzymes of Male Mice (<i>Mus musculus</i>)
108.	1003	GARIMA AWASTHI	Sulfur and its nanoparticles mediated arsenic toxicity attenuation in rice (<i>Oryza sativa</i> L.)
109.	1136	ANJALI AWASTHI	ZnO nanoparticles affecting biofilm formation in <i>Bacillus</i>
110.	1208	ANUPAM KUMAR	Phase transitions in two-dimensional nematic quadrupoles
111.	1245	MEZIGEBU BELAY	Preparation and Characterization of Graphene-Agar Composite
112.	1379	VIMAL KISHORE	Effect of reinforcing nano sized Alumina oxide on Thermal and Mechanical properties of epoxy alumina polymer nanocomposites
113.	1383	BALRAM TRIPATHI	Study on photo catalytic response of MWNTs/TiO ₂ nanocomposites
114.	1383	BALRAM TRIPATHI	MWNT/Cellulose based ultrafast flexible nanocomposites for Li-ion battery
115.	1395	VIPIN KUMAR JAIN	Synthesis and Dielectric studies of Polyaniline/TiO ₂ /Graphene Oxide (PANI/TiO ₂ /GO) Nanocomposite