	SCICON '19 - 2nd INTERNATIONAL CONFERENCE	TE ON ADVANCED MATERIALS	
	DAY 1: 15 DECEMBER		
Time	Details of the Programme		
07.30 am to 08.45 am	Registration and Breakfast		
09.00 am to 09.45 am	Inauguration (Amriteshwari Hall)		
	Plenary Session 1 (2		
09.45 am to 10.30 am	2D Materials for Energy Storage: An emerging paradigm Prof. Gour Prasad Das, IIT, Kharagpur		
10.20		omains through Scanning Tunneling Spectroscopy	
10.30 am to 11.15 am	Prof. Amalan J Pal, IACS, Kolkatta		
11.15 am to 11.35 am	Tea l	Break	
11.35 am to 12.45 pm	Parallel :	Session 1	
	ELECTRONIC AND MAGNETIC MATERIALS (Amriteshwari Hall)	MATERIALS FOR ENERGY (Acharya Hall)	
	Tuning the electrical property of graphene field effect		
	transistors (GFETs) by molecular doping withlanthanide	Hydrogen generation by thermocatalytic method using rare- earth materials	
Invited Talks (25	complexes		
minutes each)	Dr. Maheswaran Shanmugam - IIT, Mumbai	Dr. G. Ranga Rao - IIT, Chennai Novel hybrid composites from NASICONs and composite	
	Mesoscale Junctions: From Catalysis to Electronics	polymers: Investigations on electrical transport, structure and	
	·	application potential in energy storage devices	
	Dr. T. N. Narayanan - TIFR, Hyderabad	Dr. Anshuman Dalvi - BITS, Pilani	
Oral Presentation (10 minutes each)	Oral presentation: Abstracts: 41, 74	Oral presentation: Abstracts: 17, 20	
12.45 pm to 01.45 pm	Lar	nch	
12.10 pm to off to pm	Plenary Session 2 (Amriteshwari Hall)		
01.45	Engineered Nanoscale Materials for High Power and High Capacity Battery Applications		
01.45 pm to 02.30 pm	Prof. Shanthi Nair, Amrita Vishwa Vidyapeetham		
02.30 pm to 03.15 pm	O3.15 pm Spontaneous Emergence of Chirality in Achiral Systems Prof. Mohan Srinivasa Rao, GATECH, USA State of the art Recycle Technology of Thermoplastic Wastes to Thermoplastic Composite Products		
1 1			
03.15 pm to 4.00 pm	Dr. Shantanu Bhowmik, Amrita Vishwa Vidyapeetham		
04.00 pm to 05.15 pm	Tea Break / Poster Session: Abstractsr: 1 - 100 (Sudhamani Hall)		
05.15 pm to 06.45 pm	Parallel Session 2		
	BIOMATERIALS	MATERIALS FOR ENERGY	
	(Amriteshwari Hall)	(Acharya Hall)	
	An Overview of Additive Manufacturing of Bio-implants-	Flexible and Compressible Energy Devices	
Invited Talks (25	Challenges and Future Developments Dr. Ashish Kumar Nath - IIT, Kharagpur	Dr. K. Krishnamoorthy - NCL, Pune	
Minutes Each)	Reversible Control of Properties and Functions of Molecules by		
	Light	Development of Battereies	
0.15	Dr. Sugumar V - ISER, Mohali	Dr. Pathanjali G, High Energy Battereies	
Oral Presentations (10 minutes each)	Oral presentation: Abstracts: 27, 64, 66, 91	Oral presentation: Abstracts: 19, 37, 57, 39	
06.45 pm to 07.00 pm	Т	ea	
07.00 pm to 08.00 pm		Amriteshwari Hall)	
08.00 pm to 09.30 pm	Dir DAY 2 : 16 DECEMBER	nner 2010	
07.30 am to 08.45 am		kfast	
77.55 an to 50.45 an	Plenary Session 3 (
09.00 am to 09.45 am	Electrodes and electrolytes for Lithium and beyond Lithi	ium batteries: The next generation energy storage devices	
	Dr. Kalai Selvi, Director, CECRI Beyond Nanoscale – A Next Generation Biocompatible Pathway for Analytical Bio-sensing, Cancer Diagnostics and therapy		
09.45 am to 10.30 am	(Quantum Theranostics)		
10.20	Dr. Krishnan Venkatakrishnan, Ryerson University, Canada		
10.30 am to 10.50 am 10.50 am to 01.05 pm	Tea Break Parallel Session 3		
Total an to 01.05 pill	BIOMATERIALS	BASIC SCIENCES	
	(Amriteshwari Hall)	(Acharya Hall)	
	Ruthenium-Catalyzed Cyclization of Substituted Aromatics or Alkenes with CarbonCarbon π-Components: an Efficient Route to Heterocycles	Femtosecond Laser Materials Processing and Applications in Defense	
Invited Talks (25 minutes	Dr. M. Jeganmohan, IIT, Chennai	Dr. Venugopal Rao Soma - Hyderabad Central University, Hyderabad	
each)	Fabrication of Thin Film Biointerfaces for Bio Implants	Ultrasound Assisted Photocatalysis for Environmental Remediation	

	Dr. B. Subramanian - CECRI, Karaikudi	Dr. Neppolian B, SRM, Chennai	
	Nanostructured Materials for Catalytic and Biomedical Applications	Development of fluorescent chemosensors for cations/anions towards their applications in water treatment	
	Dr. Nandanan Erathodiyil - A*STAR, Singapore	Dr. Mosae Selvakumar - Asian university for women, Bangladesh	
Oral Presentation (10 minutes each)	Oral presentation: Abstracts: 7, 109, 136, 145, 9, 29	Oral presentation, Abstracts: 165, 176, 184, 189, 107, 110	
01.05 pm to 02.00 pm	Lunch Break		
	Plenary Session 4 (Amriteshwari Hall)		
02.00 pm to 02.45 pm	Engineering materials against environmental degradation-k	ey for their successful applications in advanced technologies	
02.00 pm to 02.15 pm	•	a - IIT, Mumbai	
02.45 pm to 03.30 pm	Quantum dots for	· · · · · · · · · · · · · · · · · · ·	
03.30 pm to 04.45pm	Dr Bo Tan, Ryerson Tea Break / Poster Session: Abstr	racts: 101 - 200 (Sudhamani Hall)	
04.45 pm to 6.40 pm		Session 4	
1	NANOMATERIALS	BASIC SCIENCES	
	(Amriteshwari Hall)	(Acharya Hall)	
	Future of Nano Materials in Sensor Development	A sustainable microwave assisted catalytic transformation of waste vegetable oils into glycerol-free Biodiesel (Through Skype)	
Invited Talks (25 minutes	Dr. Sujatha Devi - NIIST, Trivandrum	Dr Carmelo Drago, CNR, Italy	
each)	Engineering of Vertically Aligned ZnO based Core-Shell Hetetrostructures for Efficient Photocatalytic and Photosensing	Functional Ortho-Structured Materials for Memory Application	
	Dr Rajendra Kumar - Bharathiar University, Coimbatore	Dr. C. Venkateswaran, Madras University	
	Dye-sensitized Solar Cells: Creating an Effective Value Chain from	Advanced joining Techniques for composites, ceramics, nano and	
	Lab to Market Dr Suraj Soman - NIIST, Trivandrum	advanced materials Dr Govindaraju, Amrita Vishwa Vidyapeetham	
Oral Presentation (10 minutes each)	Oral presentation: Abstracts: 42, 155, 156, 163	Oral presentation: Abstracts: 24, 34, 90, 135	
07.15 pm to 09.00 pm	Banque Dinner (C	Guest House Lawn)	
1	DAY 3: 17 DECEMBER, 2019		
07.30 am to 08.45 am	Breakfast		
	Plenary Session 5 (Amriteshwari Hall)		
09.00 am to 09.45 am	Computational Tools and Vibrational Spectra of Large Polycyclic Systems Dr. Mangal Sundar, IIT, Chennai		
09.45 am to 10.30 am	Dr. Mangai Sanaar, 111, Chennai Dr Bipin Nair, Amrita Vishwa Vidyapeetham		
10.30 am to 10.50 am	Tea Break		
	Tea l	Break	
10.50 am to 12.35 pm		Break Session 5	

	Parallel NANOMATERIALS (Amriteshwari Hall)	Session 5 BIOMATERIALS (Acharya Hall)	
	Parallel NANOMATERIALS (Amriteshwari Hall) Metallic nanoparticles @ carbon dots for dual sensing application	Session 5 BIOMATERIALS (Acharya Hall) Lab-on-a-chip device for multi organ functional analysis	
10.50 am to 12.35 pm	Parallel NANOMATERIALS (Amriteshwari Hall) Metallic nanoparticles @ carbon dots for dual sensing application Dr. S. Abraham John - Gandhigram Rural Institute, Gandhigram	Session 5 BIOMATERIALS (Acharya Hall) Lab-on-a-chip device for multi organ functional analysis Dr Satheesh Babu, Amrita Vishwa Vidyapeetham, Coimbatore	
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