



Sri Jayachamarajendra College of Engineering, Mysuru
International Conference on Advanced Materials and Technology (ICMAT-20)
16th -18th January 2020, TEQIP-III Initiative



Technical Program Day # 1, 16th January 2020, Thursday

Time	Agenda	Venue
8.00 -10.00 AM	Conference registration	Auditorium
10.00 – 11.30 AM	Inauguration	Golden Jubilee Bhavan,
11.30 – 11.50AM	High Tea	SJCE
Plenary Session # 1 Venue: Auditorium, Golden Jubilee Bhavan, SJCE		
11.50 - 1.15 PM	Chairman	Speakers
	Dr. Prasad Potluri The University of Manchester, Manchester, UK Prof. Geoffrey Mitchell Vice-Director CDRSP - Centre for Rapid and Sustainable Product, Development, Rua de Portugal, Marinha Grande, Portugal	Hierarchical Three-Dimensional Nanomaterials for Advanced Water Electrolyzers Dr. Joong Hee Lee Vice President, Jeonbuk National University, Republic of Korea Remediation of Industrial Mineral Waste to Produce Value Added Products Dr. Kunigal Shivakumar Research Professor and Director, Department of Mechanical Engineering, North Carolina A&T State University, NC, USA
1.15 -2.00 PM	Lunch Break	
Plenary Session # 2 (Main Hall, Golden Jubilee Bhavan, SJCE)		
2.00-3.20 PM	Chairman	Speakers
	Dr. Kunigal Shivakumar North Carolina A&T State University, NC, USA Dr. Vijayalakshmi R Puranik Reliance Technology Group, Vadodara	Novel Avenue to Characterize Thermo-responsive Shape Memory Behaviour of Smart Elastomers Dr. Kinsuk Naskar Rubber Technology Centre, Indian Institute of Technology, Kharagpur Mechanical and Chemical Recycling of Plastic Waste – An Overview Dr. Sumanda Bandyopadhyay SABIC Research and Technology Private Limited, Bangalore
3.20 – 4.20 PM	Panel Discussion Topic: “Advanced materials in terms of energy conservation, health, water conservation, environment friendly contributions” Panelists: (i) Mr. B.Thej Kumar, AVP, TGSIN, Bidadi, (ii) Mr. S. VasudevRao, Secretary, IRI, Mysore, (iii) Mr. Leo, Kingfa Science & Technology (I) Ltd., Chennai, (iv) Mr YogeshShinde, BASF, (v) Mr. Krishna Kumar, Brakes India Pvt. Ltd., Nanjanagud, (vi) Sri V. EswaraRao, VP, JK Tyre& Industries Ltd., Mysuru, and (vii) Mr. M. Ganesh, E3 Extrusion Inc., Mysore	
4.20 – 4.35 PM	Tea Break	

Day # 1, 16th January 2020, Thursday
Technical Session (Venue: CMS Block, SJCE)

Time and Venue	4.35 – 6.45 PM, CMS Block, SJCE				
Technical Session No.	TS#1	TS#2	TS#3	TS#4	TS#5
Theme	Nanocomposites – Catalytic activity	Nanocomposites	Water Treatment	Drug delivery	Polymer Composites
Hall No	Hall # 1	Hall # 2	Hall # 3	Hall # 4	Hall # 5
Chair person/ Invited Talk	Dr. G. Madhumitha Dr.G. Sahaya Dennish Babu Dr.B.M. Nagabhushana	Dr. Soney C George Dr. Nithin K S Dr. Siddharth Joshi	Dr.K. Natarajan Dr. Shivaraju H Puttaiah Dr. Benjaram M. Reddy	Dr. K. Chowdoji Rao Dr. J. S. Binoj Dr. P K Kulkarni	Dr. M.N. Prabhakar Dr. Shrikant Bhat Sri. B. Thej Kumar
Oral Presentation	TS01# 01 - TS01# 06	TS02# 01 - TS02# 06	TS03# 01 - TS03# 07	TS04# 01 - TS04# 07	TS05# 01 - TS05# 07

Cultural Program	7.00 – 8.30 PM
Dinner – 8.30 PM onwards	

Day # 2, 17th January 2020, Friday
Plenary Session # 3 (Seminar Hall, CMS Block, SJCE) 9.30 – 11.30 AM

Time	Chairman	Speakers
9.00 – 11.30 AM	<p>Dr. Kokkarachedu Varaprasad Cntro de Investigación de Polímeros Avanzados, CIPA, Edificio de Laboratorios, Concepción, Chile</p> <p>Dr. K.R. Nagabhushana Federal University of São Paulo, Brazil</p> <p>Dr. V. Koncherry Robotics and Textile Composites Group, School of Materials, The University of Manchester, Manchester, United Kingdom</p>	<p>Creating A Sustainable Polymer Composite Supply Chain Through Automation</p> <p>Prof. Prasad Potluri, Director of Research, School of Materials, University of Manchester, Manchester, UK</p>
		<p>Novel Nanocomposites based Gas Sensor for Non-invasive Monitoring of Diseases: Synthesis to Device Fabrication</p> <p>Dr. Mrinal Pal CSIR-Central Glass and Ceramic Research Institute, Kolkata</p>
		<p>Bionanomaterials for Advanced Applications</p> <p>Dr. KokkaracheduVaraprasad Centro de Investigación de Polímeros Avanzados, CIPA, Edificio de Laboratorios, Concepción, Chile</p>
		<p>TL Kinetic Parameters of Beta Irradiated Strontium Silicate Nanophosphor</p> <p>Dr. K.R. Nagabhushana PostgraduateProgram in InterdisciplinaryHealthScience, Federal University of São Paulo, Brazil</p>
11.30 – 11.45 AM	Tea Break	

Day # 2, 17th January 2020, Friday
Technical Session (Venue: CMS Block, SJCE)

Time	11.45 – 1.45 PM				
Technical Session No.	TS#6	TS#7	TS#8	TS#9	TS#10
Theme	Polymer Composites	Materials and Energy	Microbeads and Drug delivery	Oral Drug delivery system	Characterization of materials
Hall No	Hall # 1	Hall # 2	Hall # 3	Hall # 4	Hall # 5
Chair person/ Invited Talk	Dr. Bhaskar Patham Dr. E. Bhoje Gowd Dr. B. Suresha	Dr. M J Yanjarappa Dr. Saravana Bavan Dr. T.Demappa	Dr. Bharath Raja Guru Dr. Yashoda M P Dr. K.S.V. Krishna Rao	Dr.B K. Sarojini Dr. T.M.Pramod Kumar	Dr. Debdulal Saha Dr. T. Jeevananda Dr. Fasiulla Khan
Oral Presentation	TS06# 01 - TS06# 07	TS07# 01 - TS07# 07	TS08# 01 - TS08# 06	TS09# 01 - TS09# 07	TS10# 01 - TS10# 06
1.45 – 2.30 PM: Lunch Break					
Time	2.30 – 4.30 PM				
Technical Session No.	TS#11	TS#12	TS#13	TS#14	TS#15
Theme	Smart Materials and Water Treatment	Smart Materials	Catalyst and Energy	Applications of Rubber Products	Material Science and Energy
Hall No	Hall # 1	Hall # 2	Hall # 3	Hall # 4	Hall # 5
Chairperson/ Invited Talk	Dr. S.K. Nataraj Dr. Murtuza Ali Syed Dr. Akella Sivaramakrishna	Dr. Kuldeep Rana Dr. Rashmi Dr. H.N.Chandrakala	Dr. Deepa Urs M.V. Dr. Sivakumar. P Dr. M. Anusuya	Dr. Anand K Dr. Prasenjit Ghosh Dr. Devanand Maski	Dr. Kummara Madhusudana Rao Dr. Krishnamoorthy Rajavel Dr. G. M. Madhu
Oral Presentation	TS11# 01 - TS11# 08	TS12# 01 - TS12# 07	TS13# 01 - TS13# 06	TS14# 01- TS14# 05	TS15# 01- TS15# 06
Tea Break : 4.30 – 4.45 PM					

Panel Discussion # 2 (3.00 – 4.00 PM)

Topic: “Potential Use of Mineral Waste to Develop Value Added Polymer Composite Products and Market Development”;
Chairman - Dr. Kunigal Shivakumar, USA and Convener - Dr. Siddaramaiah, SJCE, India, on 17/01/2020, Board Room,
 ~ 3 – 4 PM, CMS Block, SJCE, Mysuru.

Day # 2, 17th January 2020, Friday
Technical Session (Venue: CMS Block, SJCE)

Time	4.45 – 6.45 PM				
Technical Session No.	TS#16	TS#17	TS#18	TS#19	TS#20
Theme	Nanotechnology (Energy)	Material Science and Technology	Nano carriers	Civil Engineering	Transdermal drug delivery system
Hall No	Hall # 1	Hall # 2	Hall # 3	Hall # 4	Hall # 5
Chair person/ Invited Talk	Dr. B.H.Channabasappa Dr. Gurumurthy Hegde	Dr. Asha Srinivasan Sri. V. Eswara Rao Dr. Mahesh B.	Dr. Anand B Halgeri Dr. B J Rashmi Dr. Bharathi, V	Dr. B S Keerthi Gowda Dr. B Manoj Kumar	Dr. D V Gowda Dr. Mallikarjunaswamy M.S.
Oral Presentation	TS16# 01 - TS16# 08	TS17# 01 - TS17# 06	TS18# 01 - TS18# 08	TS19# 01 - TS19# 08	TS20# 01 - TS20# 06
7.00 – 8.30 PM: Dinner					

Day # 3, 18th January 2020, Saturday

9.00 – 1.30 PM	Poster Presentation	Golden Jubilee Bhavan, SJCE
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Plenary Session # 4 (Seminar Hall, CMS Block, SJCE)

Time	Chairman	Speakers
10.00 - 1.15 PM	Dr. Joong Hee Lee Vice President, Jeonbuk National University, Republic of Korea Dr. Mrinal Pal CSIR-Central Glass and Ceramic Research Institute, Kolkata Dr. Ashok Menon SABIC Research & Technology Pvt. Ltd., Bengaluru, India	Automated Coating Of Graphene And Electromagnetic Materials On Glass And Carbon Fibre For Multifunctional Composites Dr. V. Koncherry Robotics and Textile Composites Group, School of Materials, The University of Manchester, Manchester, United Kingdom
		Smart Polymer Blends and Multifunctional Composites for Advanced Applications Dr. Prashantha Kalappa Polymers and Composites Technology & Mechanical Engineering Department, France
		Aerospace Propulsion Research at NASA Glenn Research Center Dr. D. R. Reddy Chief, Propulsion Division, Research and Engineering Directorate, NASA Glenn Research Center, USA
		Materials for Industrial Gas Separation Technology Dr. Vijayalakshmi R Puranik Sr General Manager (R&D), Reliance Technology Group, Vadodara
		Circular Economy – Opportunities for The Plastics Industry Dr. Ashok Menon SABIC Research & Technology Pvt. Ltd., Bengaluru, India
		Designing New Polymer based Materials using Direct Digital Manufacturing Prof. Geoffrey Mitchell CDRSP - Centre for Rapid and Sustainable Product, Development, Polytechnic Institute of Leiria, Rua de Portugal, Marinha Grande - Portugal
		11.30-11.45 AM
1.00 – 2.00 PM		Lunch Break

Day # 3, 18th January 2020, Saturday

Technical Session (Venue: CMS Block, SJCE)

Time	2.00 – 4.15 PM				
Technical Session No.	TS#21	TS#22	TS#23	TS#24	TS#25
Theme	Functional Polymers	Applications of Nanocomposites	Additive Manufacturing and Fabrication	Polymer blends	Advanced Drug Delivery System
Hall No	Hall # 1	Hall # 2	Hall # 3	Hall # 4	Hall # 5
Chair person/ Invited Talk	Dr. Chinna Bathula Dr. R. Ramachandra Rao Dr. D. S. Marathe	Dr. B. Vijaya Kumar Naidu Dr. Harish M. N. K. Dr. G K Nagaraja	Dr. S. Ramanaih Dr. P. S. Shivakumar Gouda Dr. Ambika, M. R	Dr. Sania Akhtar Dr. Rajesh. N Sri. Prakash Hadimani	Dr. Meenakshi S Dr. G. C. Mohan Kumar Dr. Rajeshwar S Matche
Oral Presentation	TS21# 01 - TS21# 07	TS22# 01 - TS22# 07	TS23# 01 - TS23# 07	TS24# 01 - TS24# 06	TS25# 01 - TS25# 07

Valedictory Function (Venue: Seminar Hall, CMS Block, SJCE)- 4.30-5.30 PM

High Tea : 5.30 PM