

## Second International Conference on Advanced Materials and Technology (ICMAT-20)

16<sup>th</sup>–18<sup>th</sup> January 2020  
TEQIP-III Initiative

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I/we shall be attending conference : Yes / No  
I/we shall be presenting a paper: Yes / No  
Accommodation required : Yes / No  
Registration Fee: Amount Rs.....  
D.D.No.:.....  
Dated:...../...../2019

[D.D. in favour of "ICMAT 16" Payable at Mysuru]  
Date.....Place.....  
Signature:.....  
(Please strike out whichever is not applicable)

You can also send the same information by email to  
**The Organizing Secretary**  
ICMAT-20  
JSS Science and Technology University  
Sri Jayachamarajendra College of Engineering  
Mysuru 570 006, India.  
Email: icmat2020@gmail.com  
Website: icmat20.pstsjce.com  
(If possible please attach your visiting card in return)

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**Exhibition**  
There will be exhibition by different companies in the field of the subject, will also invite ancillary units and companies supplying major characterization instruments. Table space for exhibition is available as : 3m x 3m Space: Rs. 18,000 and 3m x 6m Space: Rs. 35,000

**Travel/Accommodation**  
Travel and Accommodation will have to be borne by the delegates or by their sponsoring organizations. However, accommodations will be provided with pre-request on payment basis.

**Awards**  
There will be Two Best Papers Award in each category of Oral and Poster presentations

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### First Circular

**Organized by**  
JSS Mahavidyapeetha  
JSS Science and Technology University  
Sri Jayachamarajendra College of Engineering  
Mysuru – 570 006, India.

**In association with**  
Chonbuk National University, South Korea  
&  
MLV Textile & Engineering College, Bhilwara

### Overview of the Institution

Jagadguru Sri Shivarathreeswara Mahavidyapeetha (JSSMVP), established in the year 1954, has been making significant and commendable contributions to the society through education. It is one of the top private educational institutions in India running more than 300 institutions spread across India & abroad. More than 41,000 students are pursuing their education under its umbrella having about 5,500 faculty members coalescing their efforts towards the course of education. JSS Science and Technology University (JSSSTU), established during 2016 with a motto of 'Science and Technology for Better Living', through National Focus, Global reach & Multidisciplinary approaches. Initially, the institute got conceived as Sri Jayachamarajendra College of Engineering (SJCE) in 1963 under the University of Mysore till 1997. Subsequently, it got affiliated to Visvesvaraya Technological University. Further in 2007, it was accorded Autonomous Status. It has privilege as - AICTE approved, Govt. Aided, lead institutes with assistance from the World Bank under TEQIP Scheme and lot of achievements in curricular, co-curricular and extra-curricular activities along with the excellent campus and placement records.

### Background and Objectives

This International Conference is focused on Advanced Structural & Functional Materials and Technology. For Energy, Environment & Health Sectors, The conference will be useful to researchers working in this field with diversified backgrounds making the event truly interdisciplinary in nature. This event will bring together a panel of highly-accomplished experts in the field of Advanced Materials. Technical deliberations will encompass advanced studies, their findings and applications and will address topics of novel issues and breakthroughs in the field of Advanced Materials and Technology for engineering applications. The conference will feature keynote addresses, a number of plenary sessions, invited talks and contributed lectures. Materials Research Innovations covers all areas of research with a special emphasize on synthesis, processing, and properties from the nanoscale to the macroscale. Coverage includes all classes of materials – ceramics, metals, and polymers; semiconductors and other functional materials; organic and inorganic materials – in their pure form or in combination as composites. Prominent global researchers and scientists are expected in this conference to share their latest research results. This shall promote international research networking as well as collaboration for future.

### Call for Papers

Prospective authors are invited to submit original, unpublished, extended abstracts or full papers. All authors are required to

submit a statement of novelty with their submission outlining what is distinctively 'innovative' or new about the research. It is believed that your participation will make this conference a grand success. Brochure of this conference can be downloaded from [www.jssstuniv.in](http://www.jssstuniv.in) and [icmat20.pstsjce.com](http://icmat20.pstsjce.com)

### Poster Dimension

The dimension of the poster for presentation is 80 cm x 120 cm in vertical position.

### Technical Papers

The authors are invited to submit the extended abstracts of their research findings on specified themes in English (ca. 300 words) by e-mail addressing "The Organizing Secretary, ICMAT-20" latest by 27<sup>th</sup> October 2019. The reviewed and selected papers by technical committee will be duly informed to the authors.

### Location

The conference will be held at Mysuru, which is one of the clean cities of the country, known for its traditional and royal cultural heritage. It is strategically located in southern Karnataka 145 km away from Bengaluru, the state capital, and is well connected by air, rail and road. The temperature varies from 18 to 23°C.

### Publication of Proceedings

A Souvenir will be published to commemorate the event. Souvenir containing the full text of keynote addresses, plenary talks and advertisements will be printed as special issue, and will be distributed to all registered delegates, advertisers and sponsors. A proceeding containing the full papers/extended abstracts of oral and poster presentations and plenary/invited talks in pen drive will be distributed to all registered delegates. Template can be downloaded from website.

### Important dates

Submission of abstracts : 30<sup>th</sup> November 2019  
Letter of acceptance : 04<sup>th</sup> December 2019  
Submission of full paper : 18<sup>th</sup> December 2019  
Early bird registration due date : 27<sup>th</sup> December 2019

### Address for Communication

**Dr. Siddaramaiah**  
Organizing Secretary, ICMAT-20  
Department of Polymer Science & Technology  
JSS Science and Technology University  
Sri Jayachamarajendra College of Engineering  
Mysuru – 570 006, India. Mob: +91 9972095262  
e-mail: [icmat2020@gmail.com](mailto:icmat2020@gmail.com) | [sr63@jssstuniv.in](mailto:sr63@jssstuniv.in)  
website: [icmat20.pstsjce.com](http://icmat20.pstsjce.com) | [www.pstsjce.com](http://www.pstsjce.com) | [www.jssstuniv.in](http://www.jssstuniv.in)

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### Registration Fee

Delegates Category	Indian (Rs.)	Foreign (USD)
Industry	5000	600
Academic/ Research Institute	3000	400
Research Scholars & Students	1500	300

All delegates are requested to send their registration form (which can also be downloaded from website) along with registration fee by demand draft drawn in favor of "The Organizing Secretary, ICMAT-20", payable at Punjab National Bank, SJCE Branch, Mysuru before 18<sup>th</sup> December 2019.

Account Name : ICMAT16  
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### Conference Topics

**Theme - Advanced Materials for Energy Environment & Health**

- Advanced materials for engineering applications (metals, alloys and ceramics)
- Composite materials (green, micro and nano composites)
- Coating, adhesives, surface modifiers and painting
- Biomaterials, bioengineering, & bio sensors
- Polymers for sensors, automotive, electrical and electronic applications
- Soft matter & colloids, functional materials
- Nanoparticle synthesis, characterization, catalysis & applications
- Polymers- blends, alloys, biopolymers, IPNs, conducting, membranes, drug delivery & hydrogels
- Materials for oil & gas
- Advanced processing technology of polymers
- Materials for energy devices (solar technologies)
- Biofuels & bioproducts
- Materials for sustainability & efficiency
- Materials for personal/ home care & cosmetics
- Mathematical, modeling & simulation
- Advanced manufacturing technology
- Advanced analytical tools
- Multifunctional materials and smart materials
- Physics and chemistry of materials
- New generation concrete and highway materials
- Energy intensive industrial byproducts for civil engineering applications
- Geo-textiles and reinforced earth.
- Smart materials & technology in construction industry
- Recent advances in earthquake resistant design & construction practice
- Recent advances in civil engineering construction practice.
- Applications of remote sensing and GIS in civil engineering
- Automation and IOT