



# University of Kashmir

## Hazratbal, Srinagar

In Collaboration with J&K State Science, Technology & Innovation Council, Govt. of J&K.

**JKSC**  
2018

## Call for Abstracts

### 13<sup>th</sup> Session of J&K Science Congress

**Focal Theme: Emerging Technologies and Human Society: Applications and Constraints**

**Date:** 17 – 19 March, 2018

**Venue:** University of Kashmir, Hazratbal, Srinagar

### About JKSC-2018

The J&K Science Congress is organized annually to provide a platform for the scientists, policy planners, scholars, students and other stakeholders to present their research work, exchange ideas, promote collaborations and to advance the cause of science and technology in the Jammu and Kashmir State for the larger benefit of the society. It also provides a opportunity to ponder over and reflect on the global scientific advancements and their likely regional and local impact. Since 21st century has already seen the emergence of technologies that are changing our lives, the focal theme of the 13th Session of the J&K Science Congress “Emerging Technologies and Human Society: Applications and Constraints” is apt and appropriate. The challenges of foreseeing how and where emerging technologies will affect society has led to the development of Responsible Research and Innovation. This approach acknowledges the linkages between research and society, and takes into account potential impacts, both positive and negative, on society and the environment. Thus, scientists, developers and wider society must ensure that we maximise the benefits from new technologies whilst minimising the challenges.

The deliberations in the congress will focus attention on the applications and constraints of emerging technologies, such as artificial intelligence, CRISPER-cas, precision farming, genomic vaccines, liquid biopsies, etc. The congress also aims to discuss successful and responsible application of the emerging technologies in the sustainable development of the society and the State of Jammu & Kashmir.

### Sub-Themes

- Genomics Transcriptomics, Proteomics and Metabolomics in Human Welfare.
- Recent Advances in Green Technologies.
- Precision Farming.
- New Energy Solutions.
- New Approaches to Biodiversity Assessment and Conservation.
- Recent Advances in Computers, Communication and Electronic Engineering.
- New Vistas in Mathematics and Mathematical Modelling in Science and Technology.
- Responsible Science and Innovation.

### Aims & Objectives

- To focus attention on emerging technologies and discuss their applications and constraints in the context of J & K State.
- To create knowledge, identify and eliminate constraints for its successful and responsible application to support the transition to a more inclusive and sustainable society.
- To relate academic research with societal needs for developing not only better technologies but better societies as well.
- To address social and moral challenges of technological transformation at micro-, meso- and macro-level in order to contribute to a responsible embedding of emerging technologies.
- To draw attention to the challenges faced by science and technology in J & K State and seeking support for future scientific endeavours.

### Registration Fee

**Author:** (Industry) @ Rs. 3,500/=; **Author:** (Academic) @ Rs. 2,000/=; **Author:** (Scholar/Student) @ Rs. 700/=; **Co-Author/Accompanying Person:** @ Rs. 400/=; **Participant:** @ Rs. 1,000/=; **Benefits:** Access to all Sessions, Presentation/Participation Certificate, Print Proceedings, Stationary, Lunch & Tea.

For student participants, registration is FREE. They shall be given access to all Sessions, Participation Certificate, Limited Stationary, & Tea.

The proceedings of the Congress with ISBN 978-93-5291-653-5 will be published in print and online forms.

### Important Dates

Activity	Deadline
Abstract Submission	09-02-2018
Announcement of Acceptance of Abstracts	15-02-2018
Registration (Deadline)	29-02-2018

### Areas

- Agricultural Sciences
- Animal Science
- Biochemistry
- Biotechnology
- Chemical Sciences
- Computer Science and Information Technology
- Disaster Management
- Earth Science
- Electronic Science and Technology
- Engineering Sciences
- Environmental Science
- Fishery Science
- Food Science and Technology
- Geography
- Home Science
- Management and Information Science
- Mathematical Sciences
- Microbiology
- Medical and Dental Science
- Molecular Biology
- Nanotechnology
- Pharmaceutical Science
- Physics
- Plant Science
- Science, History and Society
- Social, Economical, Ethical and Legal Aspects of Science and Technology
- Statistical Sciences
- Veterinary Science
- Other

### Panel Discussions

- Taming State Science and Technology Policy for Fostering Innovation and Entrepreneurship.
- Towards Building Cyber Security Awareness and Responsible Cyber Culture within the Society.
- Biological Interventions: Ethical, Legal and Social Issues.
- Sustainable Development: Policy and Practice.

**Convener:** Prof. Zafar A. Reshi, Dean Research, University of Kashmir

**Organizing Secretary:** Dr. M. Tariq Bandy, Head, Department of Electronics and Instrumentation Technology  
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