

Telangana Chapter



**Breakthrough  
Science  
Society  
BSS**

15  
MAR  
2023

# 1st State Level Science Conference

## THE CONFERENCE INTENDS TO DELIBERATE ON:

Climate change and Ecosystem

Anti-Microbial resistance  
Post Covid scenario

Science research in India  
Tasks and Challenges

## VENUE:

Osmania University,  
ICSSR Library hall,  
Hyderabad, TS.




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 breakthroughindia.org

## **Science is Boon for Mankind**

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We live in an era of great advances in science and technology. Technological developments have enhanced mankind's ability to use natural resources for the benefit of people. Developments in agriculture have given mankind the ability to produce enough food to satisfy the hunger of all people in the world. Developments in medical science have given us the ability to cure diseases which were considered incurable a few decades back. Today access to electricity is considered a precondition of modern living, because man has mastered the technology to make electricity available to all. Invention of various machines has opened the possibility of freeing human beings from back-breaking labour and drudgery. Man is venturing further and further into outer space, sending spacecraft to explore other planets. Information technology and electronics have allowed man to gain access to information, communicate and act at exceptional speeds. The advances in science and technology have completely changed the lifestyle of mankind from what it was even a hundred years ago.

## **Glorious march of science – a historical perspective**

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We know that India has a rich history of making significant contributions to science. It was in India that the concept of zero and the decimal number system originated. Indian scholars like Bhaskara, Sridhar Acharya, Aryabhata, and others made seminal contributions in algebra, astronomy and metallurgy. Charaka and Sushruta developed the first surgical procedures and took the science of medicine to a height not found anywhere in the world of that time. Yet, after the tenth century AD, Indian science was eclipsed by a wave of religious bigotry and the sway of casteism. The history of Europe was also similar. The spectacular advancement of Greek science was eclipsed during the middle Ages to give rise to a culture of blindness and religious bigotry. But the renaissance that took off in the fifteenth century opened up peoples' minds, leading to the emergence of scientists like Galileo, Newton, Lavoisier, Darwin, etc. Freed from the age-old mental roadblock, European science advanced in rapid strides which led to the Industrial Revolution. In India, after the 10th century AD, the first people to understand and appreciate the importance of modern science were the Indian renaissance personalities like Rammohan Roy and Ishwar Chandra Vidyasagar, who struggled to bring the light of rationalism and science into the Indian educational and cultural scenario. Within a short period, modern science was born in India and produced great scientists like J. C. Bose, P. C. Ray, S. Ramanujan, C. V. Raman, M. N. Saha, S. N. Bose, and others. It was a time of struggle between rational scientific ideas and age-old blind beliefs. The scientists of that time were fighters in that struggle. But this fight for establishing a scientific culture in India got thwarted by a wave of religious revivalism. The struggle of science against unscientific beliefs and superstitions became subdued, barring a few laudable individual efforts.

## **Need of the hour is Science Propagation**

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Breakthrough Science Society is a voluntary science organisation dedicated to the propagation of science and Scientific temper among the people. With active chapter in many states of the country, since the mid nineties, BSS has been instrumental in popularising the astronomy, organising anti superstition campaign, campaign for the protection of environment, promotion of science learning centres through the experiments at schools and colleges. Being a voluntary science forum of scientists, engineers, doctors, scholars, other professionals and science loving people, BSS, since its inception, is actively working to spread ethical values and social responsibilities in all fields of scientific endeavour.

We appeal to you to strengthen this conference with your support, which will help us in our endeavour of taking science to the people and achieve the motto of science for society- science for mankind- science in thinking.

## **Guest Speakers:**

**Prof. Dhrubajyoti Mukhopadhyay** - *Emeritus Scientist, INSA | President, All India BSS.*

**Dr. Soma Sundar Marla** - *Retd. Principal Scientist, ICAR, New Delhi.*

**Dr. K. Babu Rao** - *Retd. Sr. Scientist, IICT, Hyderabad.*

**Prof. Maj. S. Bakhtiar Choudhary** - *Senior Consultant in Sports Medicine & Rehabilitation.*

**Dr. Nageswara Rao Amanchi** - *Asst. Professor, OU, Hyderabad.*

**Dr. R. Gangadhara** - *Convenor, BSS Telangana.*