

Central University of Punjab, Bathinda

Central University of Punjab, Bathinda under the auspices of Chandigarh
Chapter of NASI is organizing

One Day Outreach Symposium on 05 April, 2019

Venue: Dr B. R Ambedkar Auditorium

Programme

10:30 – 10:45AM	Welcome Address Introduction of the Academy and its activities	Prof. R.K. Kohli , Hon'ble Vice-Chancellor, Central University of Punjab, Bathinda
10:45 – 11:35 Hrs	Prof. Girish Sahni Former Director General, CSIR	Creating Societal Value from Science and Innovation: Many Opportunities and a few Challenges
11:35-12:00 Hrs	Tea Break	
12:00-12:50 Hrs	Prof. Tilak Raj Sharma , Executive Director, National Agri-Food Biotechnology Institute (NABI).	Application of Biotechnology in Achieving Food and Nutritional Security
12:50-01:40 Hrs	Prof. K K Bhasin Former Dean Faculty of Science, Panjab University	Fascinating Aspects Of Chemistry
01:40-02:00 Hrs	Felicitation Vote of thanks	Prof. Anjana Munshi

The **National Academy of Sciences, India** (NASI) was founded in the year 1930, with the objectives to provide a national forum for the publication of research work carried out by Indian scientists and to provide opportunities for exchange of views among them. Being the oldest science Academy of the country, NASI has carved a niche in science promotional and popularizing activities for disseminating scientific knowledge via organising science extension lectures throughout the country.

NASI: Chandigarh Chapter

Chairman: Prof. Inder Bir Singh Passi, Honorary Professor, IISER, Mohali & Emeritus Professor; 381, Sector 38A, Chandigarh.

Secretary: Prof. Tilak Raj Sharma, Executive Director, National Agri-Food Biotechnology Institute (NABI), Knowledge City, Sector 81, PO Manauli, SAS Nagar, Mohali.

Advisors:

1. Prof. Debi Prasad Sarkar, Director, Indian Institute of Science Education and Research, Mohali, Sector 81, SAS Nagar, PO Manauli, Mohali.
2. Prof. K.N. Pathak, NASI Senior Scientist, Department of Physics, Panjab University, Chandigarh.
3. Prof. Ravinder Kumar Kohli, JC Bose National Fellow, Vice-Chancellor, Central University of Punjab, City Campus, Mansa Road, Bathinda, Punjab.

About the Speakers

Prof. Girish Sahni

Former Director General, CSIR

Dr. Girish Sahni is a pioneer in translating and helping others translate science into world-class applied technology in India. Dr. Sahni and his group at CSIR-Institute of Microbial Technology (IMTECH) have developed four generations of an important life-saver protein drug, streptokinase that is used as 'clot buster' in many cardiac and circulatory diseases. He is the recipient of several accolades and awards, including the Ranbaxy award, CSIR Technology Shield, Department of Biotechnology Govt. of India award for Process Development, Vigyan Ratan award of Panjab University etc. Dr Sahni is a Fellow of the Indian National Science Academy (INSA), Indian Academy of Sciences and the National Academy of Sciences, India (NASI). Dr. Girish Sahni has held the position of Director General of the Council of Scientific Research (CSIR) and Secretary to the Government of India in the Department of Scientific and Industrial Research under the Ministry of Science and Technology. Prior to this, he was the Director of CSIR-Institute of Microbial Technology. He did his undergraduate and Masters from Panjab University, Chandigarh, and Ph. D. from the prestigious Indian Institute of Science, Bangalore. Before joining IMTECH, and CSIR, in 1991, he pursued Postdoctoral Research in various prestigious Institutions in the USA including Univ. of California, Santa Barbara, CA; Albert Einstein College of Medicine, New York and the Rockefeller Univ., New York, USA, where he was also Adjunct Faculty. Dr. Sahni has been striving to refocus the Council of Scientific and Industrial Research towards using first-grade scientific knowledge to provide technological and sustainable solutions to the various challenging problems.

Dr. Girish Sahni is currently CSIR Bhatnagar Fellow based at Institute of Microbial Technology, Chandigarh.

Prof. T. R. Sharma

FNA, FNAAS, FNASc, J C Bose National Fellow

Executive Director, National Agri-Food Biotechnology Institute (NABI)

Mohali, (Punjab)-140306, INDIA

Dr. T. R. Sharma is Executive Director, National Agri-Food Biotechnology Institute (NABI) and is also serving as Chief Executive Officer, Centre for Innovative and Applied Bioprocessing, Mohali, Punjab. He obtained Post Doctorate training on Genome analysis and bioinformatics at University of Alberta, Edmonton, Canada and Cold Spring Harbor Laboratory, NY, USA. For his outstanding research contributions Dr. Sharma has been Awarded various awards like; University Gold Medal and Certificate of Honour in Ph.D, 1990, Young Scientist Award, NAAS, 1998; ICAR Young Scientist Award (Crop Sciences), 1999; Prof. Umakant Sinha Memorial Award in Biochemistry, Biophysics and Biotechnology, Indian Science Congress Association, 2001; International World Technology Award for Biotechnology (jointly to Int. Rice Genome Sequencing Team) in 2003, DBT National Bioscience Award for Career Development, 2007. NAAS Recognition Award 2008; VASVIK Award 2011, Rafi Ahmed Kidwai Award-ICAR, 2011, NASI-Reliance Industries Platinum Jubilee Award, 2013, J C Bose National Fellowship, 2013 and Prof MGK Menon Lecture Award (NASI) 2017, Prof. Bishan Singh Samundari Memorial lecture award (Guru Nanak Dev University Amritsar) 2017-18 and Prof. K.S. Bilgrami Memorial Medal (INSA) 2018. Dr. Sharma is the fellow of Indian National Science Academy, National Academy of Sciences and National Academy of Agricultural Sciences. His major research interests are in the areas of Genomics and plant disease resistance. Dr. Sharma has contributed extensively to the improvement of rice for over 28 years and cloned and deployed a new rice blast resistance gene Pi54 in different rice varieties. Dr. Sharma has published more than 130 research papers, filed six Indian patents and associated in the development of two rice varieties Pusa 1637 and HPR2880.

Prof. K. K. Bhasin

Former Dean Faculty of Science, Panjab University

Professor K. K. Bhasin is an Emeritus Scientist at Department of Chemistry and Centre of Advanced Studies (CAS) in Chemistry, Panjab University, Chandigarh since 2015. Panjab University also honored him to be University Emeritus Professor in 2017. He had his schooling and graduation from Hoshiarpur, post graduation in Chemistry from Himachal Pradesh University Shimla and Ph.D in Chemistry from Panjab University, Chandigarh. He was Commonwealth Fellow, SRC Fellow (UK), International Fellow (USA), DAAD Fellow (Germany). Brainpool Fellow (S.Korea). He is recipient of Bronze Medal from Chemical Research Society of India.

Professor Bhasin has made seminal contributions in teaching and research. He is known for his research work primarily based on the chemistry of organosulphur, -selenium and -tellurium compounds that have been recognized in the biological processes to catalyze the reduction of peroxides that are detrimental to life. He has published 160 research papers in International journals of repute and has guided 32 Ph.D. students. His research work has been cited consistently in the latest encyclopedia, books journals and peer reviews that has opened up new avenues in the frontier areas of Chemistry especially in: Chemistry of organometallic compounds, Chemical Education, Environmental Chemistry, Development of Direct Deposition Chemistry, Thermophysical Investigations, Nano and Energetic materials.

Professor Bhasin was elected Dean, Faculty of Science (2005-06), UGC CAS coordinator at Panjab University Chandigarh, elected Fellow of the National Academy of Sciences, India (2010) and Fellow of the Punjab Academy of Sciences, Patiala (2014).