

PANJAB UNIVERSITY PRESENTS

11th Chandigarh Science Congress

CHASCON

9 - 11 March
Chandigarh

2017

Theme: Advancing Sustainable Development through
Science, Technology and Innovation



Organised by



CHASCON2017.in

PGIMER, PEC University of Technology, IISER Mohali, IIT Ropar, IMTECH, NIPER Mohali, CSIR-CSIO, INST, ISB, NABI, CIAB, NITTR, TBRL, SASE, GMCH, CCET, PSCST, C-DAC, DIHAR, SCL, IDC & CRRID

ABOUT THE CONFERENCE

<https://goo.gl/FRS8xt>

The Panjab University, in collaboration with other academic and research institutes of Chandigarh region, has been organizing Chandigarh Science Congress [CHAS-CON] since 2007. It is an annual feature and has been instrumental in creating a consortium of young and innovative minds pursuing carrier in Science and Technology at Panjab University and other institutes of national repute in and around Chandigarh. The primary objective of this congress is not only to ignite the minds of our youth on the existing challenges and global trends, but also to sensitize them to emerging paradigms of national and international significance.

With this intent, this year's theme for the Congress is **"Advancing Sustainable Development through Science, Technology and Innovation"**.

Sustainable development promotes the idea that social, environmental, and economic progress should be attained in ways that will not exhaust the Earth's finite natural resources. There are various challenges that pose a serious threat to sustainable development of India. However, with human resource, both skilled and un-skilled in abundance, it is important for India to achieve the goal of human ecosystem equilibrium in a more holistic way. Thus, CHASCON – 2017 is set up with the aim to provide participants a plethora of information from different scientific fields, ensuring that they receive a more inclusive perspective than they would from staying focused on a single scientific discipline. This conference aims to expose students and researchers to challenges existing in the road towards growth of India and inspire them through the works and words of distinguished Indian scientists in various fields, steering them towards the national goal of "Make in India".

The congress will bring together the scholars, researchers, academicians, scientists and industrialists on a common platform to exchange views and ideas on how to integrate scientific innovations for sustainable development of society at large. Special technical sessions planned to encourage students to present their ideas and work, through oral and poster presentations, will shape up the soft skills of students, enhancing their ability of expression.

India is a country which stands far below the potential that it has and hence the mandate of this event is to unfold the strength, energy and creativity of young scientific minds to achieve a higher goal. Overall this event aims to create ripples in young scientific minds to achieve a higher goal. Overall this event aims to create ripples in young minds helping them enter into a mission mode by integrating the vast scientific knowledge imparted during the event to achieve the cherished goal of turning India into a self-sustainable nation.

SCIENTIFIC SECTIONS

<https://goo.gl/dpSMDT>

Section	President
Animal Sciences (Zoology)	Professor Upma Bagai
Anthropology, Forensic Sciences & Public Health	Professor Abhik Ghosh
Bio Sciences & Biotechnology (Biochemistry, Biophysics, Microbiology Bio-technology, Microbial Biotechnology)	Professor Jagtar Singh
Chemical Sciences	Professor P. Venugopalan
Dental / Medical Sciences	Professor Ashish K. Jain
Earth Sciences (Geology, Geography)	Professor Naveen Chaudhri
Emerging Areas in Science & Technology (Centre for Human Genome Studies and Research, Centre for Nuclear Medicine, Centre for Stem Cell & Tissue Engineering, Centre for Systems Biology & Bioinformatics)	Professor S.K. Sharma
Engineering Sciences (UIET, UICET, PEC)	Professor Renu Vig
	Professor Meenakshi Goyal
	Professor Tripta Goyal
Mathematical & Computational Sciences (Computer Science and Applications, Mathematics, Statistics)	Professor Savita Bhatnagar
Pharmaceutical Sciences	Professor Poonam Piplani
Plant Sciences (Botany, Environment Studies)	Professor Harsh Nayyar
Physical and Nanosciences (Physics, Centre for Nanoscience & Nanotechnology, Centre for Medical Physics)	Professor Devinder Mehta

SECTIONAL PROGRAMME GUIDELINES

Each section will conduct the following events at their respective venue on March 10, 2017.

- » Plenary Lectures.
- » Poster/Oral presentations by the participating students.
- » Quiz.
Winning team of each section will participate in the quiz organized at the Central level on March 11, 2017 at 2:00 PM in the University Auditorium.

COMMITTEES

<https://goo.gl/MaL3vL>

PRESIDENT & CHIEF PATRON

- » Professor Arun K. Grover, Vice-Chancellor, Panjab University

PATRONS

- » Dr Ashwagoshia Ganju, Director, SASE
- » Dr Manoj K. Arora, Director, PEC University of Technology
- » Professor N. Sathyamurthy, Director, IISER, Mohali
- » Professor M.P. Poonia, Director, NITTTR
- » Dr S.K. Jain, Director I/C, CFSL
- » Dr Manjit Singh, Director, TBRL
- » Dr Rajender Singh Sangwan, Chief Executive Officer, BPU
- » Dr Bhuvnesh Kumar, Director, DIHAR
- » Professor Rajendra Srivastava, Dean, ISB
- » Professor D.K. Jain, Director General, C-DAC
- » Professor Atul Sachdev, Director-Principal, GMCH
- » Professor K.K. Bhutani, Director, Officiating NIPER, Mohali
- » Dr Girish Sahni, Director General, CSIR
- » Dr Anil Koul, Director, IMTECH
- » Professor R.K. Sinha, Director, CSIO
- » Professor Akhilesh Kumar Tyagi, Executive Director, NABI
- » Dr A.K. Ganguli, Director, INST, Mohali
- » Professor Sarit Kumar Das, Director, IIT, Ropar
- » Professor Subash Verma, Officiating Director, PGIMER
- » Dr Pramod Kumar, Director, IDC
- » Professor Kuldip Kaur, Director General, CRRID

ADVISORY COMMITTEE

- » Professor Dinesh Gupta, Dean University Instructions (DUI)
- » Colonel G.S. Chadha, Registrar
- » Professor O.P. Katare, Director, Research Promotion Cell (RPC)
- » Professor Emanuel Nahar, Dean Student Welfare
- » Professor Abhik Ghosh, Chairperson, Anthropology
- » Professor Ashish K. Jain, Director, HSJIDSH
- » Professor Bhupinder Singh Bhoop, Coordinator, UGC-Centre of Excellence in Applications of Nanomaterials, Nanoparticles & Nanocomposites
- » Professor Devinder Mehta, Chairperson, Physics; Coordinator, Centre for Nanoscience & Nanotechnology; Coordinator, Centre for Medical Physics
- » Professor Harminder S. Bains, Director, PUSSGRC, Hoshiarpur
- » Professor Harsh Nayyar, Chairperson, Botany
- » Professor Indu Pal Kaur, Dean, Pharmaceutical Sciences
- » Professor Jagat Bhushan, Dean, Medical Sciences
- » Professor Jagtar Singh, Chairperson, Biotechnology
- » Professor Kanchan K. Jain, Chairperson, Statistics
- » Dr Madhuri Rishi Nee Sharma, Chairperson, Environment Studies
- » Professor Meenakshi Goyal, Chairperson, UICET
- » Professor M.L. Garg, Chairperson, Biophysics
- » Professor M. Rajivlochan, Director, IQAC
- » Professor Narinder Singh Sidhu, Dean, Dairying, Animal Husbandary and Agriculture
- » Professor Naveen Chaudhri, Chairperson, Geology
- » Professor Parvinder Singh, Dean, College Development Council
- » Professor Praveen Rishi, Dean, Sciences; Chairperson, Microbiology
- » Professor Rajat Sandhir, Coordinator, Institute of Forensic Science & Criminology; Coordinator, Centre for Nuclear Medicine
- » Professor Ravinder Kumar Singla, Chairperson, Computer Science & Application
- » Professor Renu Chadha, Chairperson, UIPS
- » Professor Renu Vig, Dean, Engineering; Director, UIET
- » Dr Rohit Sharma, Chairperson, Microbial Biotechnology
- » Professor Sanjeev Puri, Coordinator, Stem Cells & Tissue Engineering

- » Professor Savita Bhatnagar, Chairperson, Mathematics
- » Dr Shashi Chuadhary, Chairperson, Centre for Human Genome Studies and Research
- » Professor S.K. Mehta, Director, SAIF/CIL Facility
- » Professor S.K. Sharma, Coordinator, Systems Biology & Bioinformatics
- » Professor Sukhbir Kaur, Chairperson, Zoology
- » Professor Suresh C. Sharma, Chairperson, Biochemistry
- » Professor Suman Mor, Coordinator, Centre for Public Health

STEERING COMMITTEE

- » Professor Archana Bhatnagar, Department of Biochemistry
- » Professor Harsh Nayyar, Department of Botany
- » Professor Indu Pal Kaur, University Institute of Pharmaceutical Science (UIPS)
- » Shri Naresh Chawla, PEC University of Technology
- » Professor Sanjay Chhibber, Department of Microbiology
- » Dr P.K. Satyawali, Associate Director, SASE
- » Professor P. Guptasarma, Dean R & D, IISER, Mohali
- » Professor P. Venugopalan, Department of Chemistry
- » Professor Rajat Sandhir, Department of Biochemistry
- » Dr Sanjeev, Deputy Director & Scientist-D (Biology), CFSL
- » Professor Sanjeev Puri, University Institute of Engineering & Technology (UIET)
- » Dr Sharmistha Sinha, Institute of Nano Science and Technology, Mohali
- » Dr Subhendu Sarkar, Associate Dean (Research), IIT, Ropar
- » Professor Sukhwinder Singh, University Institute of Engineering & Technology
- » Professor Sunandan Sood, Govt. Medical College and Hospital, Sector 32, Chandigarh
- » Dr Sunita Mishra, CSIR-CSIO, Chandigarh

REGISTRATION AND PARTICIPATION

- » Registration is necessary for participation in the conference.
- » Registration and payment of fee is online only. No cash/cheque/draft is acceptable.
- » After depositing fee online, please submit registration form online with payment details.

- » Online registration will close on midnight of March 5, 2017.
Spot Registration will be available at conference venue on March 9, 2017, subject to availability of seats.
- » Presenting author should submit abstract for Oral/Poster Presentation.
- » Participants not submitting abstract can also register.
- » Select appropriate section in the abstract submission form. Same section should be selected for registration.
- » No abstract will be accepted without payment of the registration fee.
- » All registered participants will be provided with delegate kit, lunch, snacks & tea.
- » No accommodation/conveyance will be provided to the delegates by the organizers. The outstation delegates will have to make their own arrangements.

REGISTRATION FEE

	Up to February 25, 2017	With late fee up to March 5, 2017
UG/PG Students and Research Scholars without Fellowship	₹800	₹1000
Research Scholars with Fellowship	₹1000	₹1200
Delegates from Academia/Faculty Members/Scientists	₹1200	₹1500
Delegates from Industry	₹3000	₹3500

ABSTRACT SUBMISSION GUIDELINES <https://goo.gl/7CbW4a>

Participation in Chandigarh Science Congress is open to researchers and scientists from industry and academia including faculty, research scholars and undergraduate and postgraduate students.

Abstracts of not more than 200 words, are to be uploaded online, in the provided template as an attachment in Microsoft Word 2007. No other format is acceptable. Title, author name(s) and their affiliations are not the part of the text of the abstract.

Delegates may select an appropriate section as per their subject area. Abstracts should be submitted on or before **February 25, 2017**. The acceptance & information whether oral or poster presentation will be communicated to the corresponding author through e-mail latest by **March 1, 2017**.

Best oral and poster presentations will be awarded in each section.

• **ORAL PRESENTATION**

Oral presentation will be for 8 + 2 minutes for discussion. Oral slots are limited. In case of non- availability, your abstract will be automatically considered for poster presentation.

• **POSTER PRESENTATION**

The space available for each poster would be of 3x4 ft. Each poster would be allotted a unique number/ code and will be displayed on the top of the board on which the poster is to be put, by the organizers.

Top section of the poster should indicate the title, authors and their affiliations and it should be visible from afar.

The contents of the poster may be divided into: Abstract, Introduction, Methodology, Results and Conclusions.

The posters are to be displayed between 2.00 to 5.00 pm on March 10, 2017, unless otherwise conveyed, in respective sections. The authors are expected to be present for evaluation by judges and public interaction.

CONTACT US

FOR GENERAL ENQUIRY

Organizing Secretary: **Professor Sukhwinder Singh** (+91 9417756421)

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ORGANISED BY



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Established since 1882



Chandigarh Region Innovation and Knowledge Cluster



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