



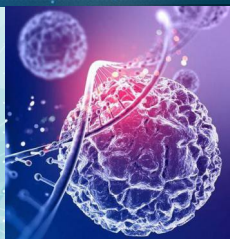
23rd



PUNJAB SCIENCE CONGRESS

February 7 - 9, 2020

Emerging Trends in Science & Technology
for Sustainable Development



Organized by

SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY

(DEEMED-TO-BE-UNIVERSITY, UNDER MHRD, GOVT. OF INDIA)

LONGOWAL (SANGRUR)-148106, PUNJAB

www.sliet.ac.in

“भारत शासन अधीन सम विश्वविद्यालय”

ABOUT THE HOST INSTITUTE

Sant Longowal Institute of Engineering & Technology (SLIET) was established by Ministry of Human Resource and Development, Government of India in 1989 with a vision to act as an international podium for development and transfer of technical competence in academics through formal & non-formal education, entrepreneurship and research to meet the challenging needs of society. The institute has the new concept of flexible, modular and multi-point entry/exit system. The aim is to impart technical education to both rural and urban youth from all over India to provide the quality technical manpower of all levels to the present industry. The institute is running integrated Certificate-Diploma, B.Tech., M.Tech., M.Sc., M.B.A. and Ph.D. programmes in the emerging and non-conventional areas of Engineering and Technology, Science and Management. The campus of institute is spread over an area of 451 acres located near Longowal, District: Sangrur, Punjab with modern infrastructure. The institute was declared deemed-to-be-university in April, 2007 by Government of India. It has highly experienced and internationally renowned faculty.



PUNJAB ACADEMY OF SCIENCES

The Punjab Academy of Sciences (PAS) came into being at the time of holding of the 83rd session of the Indian Science Congress at Punjabi University, Patiala in 1996. It provides a platform where senior scientists and young researchers in the region meet and interact with each other to share their expertise in different disciplines of Science & Technology. At present this registered body has more than 1000 life members. The academy has conferred its Honorary Fellowship to number of distinguished scientists from India and abroad who have significantly contributed towards bringing the innovations in Science and Technology. The academy is bringing out an annual journal of research namely "Journal of Punjab Academy of Sciences".

The main aims of the academy are :-

- (i) To provide the cause of science in Punjab, with respect to its basic and applied aspects
- (ii) To encourage original research in general and with reference to Punjab, in particular
- (iii) To create scientific temper and awareness among the masses
- (iv) To develop interaction among the scientists with particular reference to those of inter-disciplinary branches
- (v) To work out strategies for sustainable use of our natural resources and maintenance of environment.

CALL FOR ABSTRACTS AND PAPERS

The members/non-members of the Punjab Academy of Sciences are requested to submit their original contributions for any of the referred sections (A-E). Not more than two papers either alone or with co-authors could be submitted. Abstract (maximum 250 words, see the Abstract template on the Institute/Congress website), formatted on MS word (A4 size) in New Times Roman, Title 12 point and authors information and text size 10 point, in single line spacing with 2.54 cm right and 2.54 cm left, top and bottom margins 2.54 cm, should compulsorily be sent through electronic mail to punjabsciencecongress2020@gmail.com as an attachment on or before January 07, 2020 for any of the sections as per the suitability of the subject matter. The name of the presenting author should be marked with an asterisk (*) along with email ID. The decision for oral/poster presentation will be strictly followed as per approval of the technical review committee. Papers screened by the committee may either be published in the seminar proceedings or selected papers may be published in the special issue of Journal of Punjab Academy of Sciences as per norms.

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Section A	Agriculture, Biosciences, Biotechnology etc.
Section B	Applied Chemistry, Applied Physics, Sugar Technology, Pharmacy Food Technology and Textile Chemistry.
Section C	Chemical, Mathematical and Physical Sciences.
Section D	Engineering Sciences (All Branches including computational sciences)
Section E	Medical and Veterinary Sciences.

YOUNG SCIENTIST AWARD

A special session for the presentation of papers for the young scientist award will be held on February 8, 2020. Young scientists upto an age of 35 years on December 31, 2019 may send their abstract and full length papers to the Organizing Secretary, 23rd Punjab Science Congress, separately on or before January 07, 2020.

Young scientists (proof of age to be furnished) selected for best presentation in each section (A-E) will be awarded a certificate of honor, medal and cash prize. Each of them will be given 12 minutes for the presentation and 3 minutes for discussion. The name of the section pertaining to the paper should be clearly mentioned on the envelope. The papers will be screened as per the norms of the Academy.

PRESENTATIONS (ORAL/POSTER)

There will be parallel technical sessions for invited speakers followed by the oral presentation of papers for each sections (A-E), separately. Thirty minutes and seven minutes, shall be given for invited talk and oral presentation, respectively along with three minutes for discussion.

- Multimedia facilities for power point presentation will be available.
- Each participant for poster presentation will be provided with a space measuring 100cm X 70cm, for mounting the display of written material, diagrams, photographs etc.

REGISTRATION FEE

Academic / R & D Delegates/Authors	Rs. 2000/-
Research Scholar with fellowship	Rs. 1500/-
Research Scholar without fellowship/PG students	Rs. 1000/-
Corporate Delegates	Rs. 4000/-

This registration fee includes registration kit, Congress material, Entry to all sections/exhibitions, tea/snacks stalls, lunches and dinners on 7-9, February, 2020. Accommodation to participants will be provided in the Institute campus on first come first serve basis. Late comers will have to make their own arrangements for their stay.

The registration fee can be paid through RTGS [Account No.: 3781692874, Central Bank of India: Branch: SLIET, Longowal; IFSC: CBIN0283105] or through online mode [visit Institute/Congress website]

Participants who are not members of the Punjab Science Academy will have to pay an additional membership fee by Demand Draft/ Cheque in favor of Punjab Academy of Sciences, Patiala at the following rates:

Life Membership: Rs. 2000/- Ordinary Membership; Rs. 500/-

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- Prof. Siva Umapathy, Director (Officiating), IISER Mohali
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- Dr. Raj Bahadur, Vice Chancellor, Baba Farid University of Health Sciences, Faridkot
- Mr. Satish Chandra, Vice Chancellor, Guru Ravidas Ayurved University, Hoshiarpur
- Dr. Kulwant Singh Ded, Vice Chancellor, Sri Guru Ramdas University of Health Sciences, Amritsar
- Dr. Amarjit Singh Nanda, Vice Chancellor, Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana
- Dr. Paramjit Singh Jaswal, Vice Chancellor, Rajiv Gandhi National University of Law, Patiala
- Dr. G.P.I. Singh, Vice Chancellor, Adesh University, Bathinda
- Prof. Shyam Sundar Pattnaik, Director, NITTTR, Chandigarh
- Dr. Rajesh Grover, Director, Pushpa Gujral Science City, Kapurthala
- Prof. Prakash Gopalan, Director, Thapar Institute of Engineering & Technology, Patiala
- Prof. H.K. Malik, Dept. of Physics, IIT Delhi

OFFICE BEARERS OF PUNJAB ACADEMY OF SCIENCES

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Prof. T.S. Thind: Vice President	Prof. Rajan Gaur: Executive Members
Prof. N.R. Dhimiwal: Secretary	Prof. S.S. Hundal: Executive Members
Prof. J.I.S. Khatter: Joint Secretary	Prof. Manoj Kumar: Executive Members
Prof. Tarlok Singh: Executive Members	Prof. Kamlesh Guleria: Executive Members
Prof. Jagtar Singh: Executive Members	Prof. Harish Kumar Chopra: Editor-in-Chief
	Prof. I.J.S. Bansal: Founder President PAS

For queries/membership pertaining to Punjab Academy of Sciences, please contact:
Prof N.R. Dhimiwal, Union Building, Punjabi University, Patiala – 147002, Punjab, India
Email; pasciences@gmail.com, Mobile No. 9781714166

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IMPORTANT DATES

Abstract submission deadline	January 07, 2020
Submission of full manuscript (For Young Scientist Award)	January 07, 2020
Intimation of acceptance to authors	January 15, 2020
Last date for Registration	January 20, 2020

WEATHER

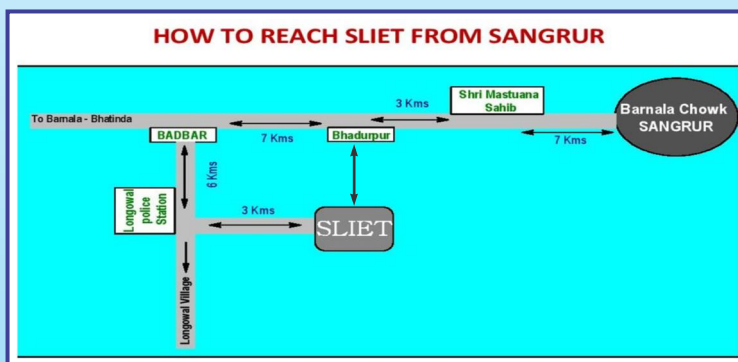
The weather at Longowal during February is pleasant. Most of the days are sunny. The average daytime temperature is normally in the range of 15-25°C but can go below 10°C during night. Casual wear is recommended during day time while warm clothing is recommended at night.

EXHIBITION

A tabletop exhibition will run in conjugation with the Congress. Those interested for exhibition space should get in touch with the Organizing Secretaries, 23rd Punjab Science Congress.

HOW TO REACH SLIET

The institute is located adjacent to village Longowal about 7 kilo meter away from Chandigarh-Bathinda highway in the district Sangrur, Punjab. It is connected by road to Sangrur (18 km), Sunam (17 km) Ludhiana (100 km), Chandigarh (135 km) and Delhi (320 km). The nearby railway stations are Sangrur, Sunam and Dhuri Junction. The nearest international airport is Delhi (320 km) and domestic airport is Chandigarh (135 km).



Correspondence related to 23rd Punjab science Congress be addressed to:

Prof. S.S. Verma

Organizing Secretary, 23rd Punjab Science Congress
Department of Physics,
Sant Longowal Institute of Engineering & Technology,
Longowal, District: Sangrur -148106, Punjab
9465191823 (M); 01672-253316 (Off.)

Prof. P. S. Panesar

Organizing Secretary, 23rd Punjab Science Congress
Department of Food Engineering & Technology,
Sant Longowal Institute of Engineering & Technology,
Longowal, District: Sangrur -148106, Punjab
9417494849 (M); 01672-253252 (Off.)

Email: punjabsciencecongress2020@gmail.com

NOTE: For more details, visit institute website: www.sliet.ac.in and check a link for 23rd Punjab Science Congress or visit http://sliet.net.in/PSC/Login_PSC.aspx

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REGISTRATION FORM

23rd Punjab Science Congress (February 7 - 9, 2020)

1. Name of the participant: _____
2. Designation: _____
3. Date of birth: _____
4. Sex: _____ Male/Female
5. Postal address: _____

6. Telephone (Rest/Office/Mobile) and Email: _____

7. Are you a life member of PAS: _____ Yes/No
8. Title of the research paper _____

9. a) Name of author(s): _____
b) Presenting author: _____
10. Name of technical section (tick): A / B / C / D / E
11. Type of presentation: _____ Oral/Poster
12. Are you competing for Young Scientist award
(Age below 35 Years) : _____ Yes/No
13. Number of accompanying person(s): _____
14. Is accommodation required? _____ Yes/No: Period:
From _____ To _____
15. Details of registration Fee: For Online payment: Visit institute/Congress website

Date: _____

Signature: _____

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