

## REGISTRATION CUM ACCOMMODATION FORM

Registration-cum-Accommodation fee (Demand Draft in favour of "Thermodynamics Conference PU", payable at Chandigarh) along with enclosed form must reach Professor Renu Chadha, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh-160014. Arrangements for accommodation will be made only after receiving the duly filled form along with registration and accommodation charges.

Name \_\_\_\_\_ (Surname) \_\_\_\_\_  
Address \_\_\_\_\_

PIN \_\_\_\_\_  
Age: \_\_\_\_\_ Male  Female

Presentation Mode:  Oral  Poster

ACCOMMODATION REQUIRED  YES  NO

Please reserve accommodation and boarding for myself / and accompany person(s)

(Male \_\_\_\_\_ Female \_\_\_\_\_ Total Members \_\_\_\_\_)

From \_\_\_\_\_ to \_\_\_\_\_ 2015

Arrival on \_\_\_\_\_ by \_\_\_\_\_

Up/Down Train/Air/Bus

Enclosing Registration Fee and / or Accommodation charges

Rs. \_\_\_\_\_ DD No. \_\_\_\_\_ Dated \_\_\_\_\_

Drawn on Bank \_\_\_\_\_

DATE : \_\_\_\_\_ SIGNATURE \_\_\_\_\_

For office use: Received Rs. \_\_\_\_\_ towards  
Registration and / or Accommodation.

### VITAL DATES

**September 30, 2015:** Submission of Abstracts

**October 10, 2015:** Intimation regarding Acceptance

**October 10, 2015:** Submission of Registration Fee and  
Accommodation charges

### PATRON

**Professor Arun K Grover**  
Vice Chancellor, Panjab University, Chandigarh

### ADVISOR

**Professor D V S Jain**  
Emeritus Professor, Panjab University, Chandigarh

### CONFERENCE CHAIR

**Professor Bhupinder Singh Bhoop**  
Chairman, UIPS, Panjab University, Chandigarh

### CONVENER

**Professor P Venugopalan**  
Chairman, Department of Chemistry,  
Panjab University, Chandigarh

### ORGANIZING SECRETARY

**Professor Renu Chadha**  
UIPS, Panjab University, Chandigarh

### TREASURER

**Dr Rohit K Sharma**  
Department of Chemistry, Panjab University, Chandigarh

### STEERING COMMITTEE

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Professor Kanwaljit Chopra (UIPS)  
Professor V R Sinha (UIPS)  
Professor Ranju Bansal (UIPS)  
Professor Poonam Piplani (UIPS)

Professor K K Bhasin (Chemistry)  
Professor K N Singh (Chemistry)  
Professor O P Katara (UIPS)  
Professor Indu Pal Kaur (UIPS)  
Prof Manoj Kumar (UIPS)

### ORGANIZING COMMITTEE

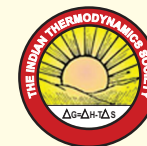
Prof Maninder Karan  
Dr Gurjaspreet Singh  
Dr Ashwani Kumar  
Dr Anurag Kuhad  
Dr Vandita Kakkar  
Dr Nishima Wangoo

Prof Anupam Sharma  
Prof Anil Kumar  
Prof Rajpal Sharma  
Ms Alka Bali  
Dr Jai Malik  
Dr Neelima Dhingra

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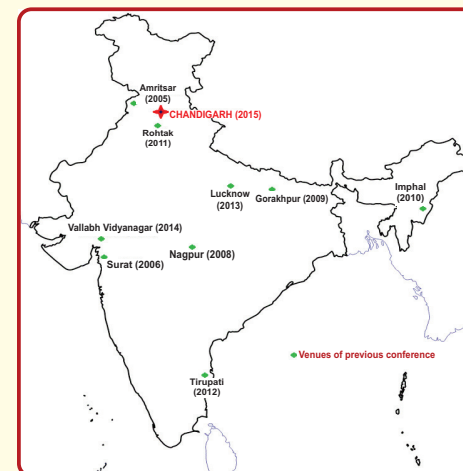


**10<sup>th</sup> National Conference**  
on  
**Thermodynamics of Pharmaceutical,  
Chemical and Biological Systems**  
**20-21 November 2015**  
**Organized by**  
**University Institute of Pharmaceutical Sciences  
&  
Department of Chemistry**

**Panjab University, Chandigarh-160014**

**<http://tpcbs.puchd.ac.in>**

**Email :- [nctpe10@gmail.com](mailto:nctpe10@gmail.com)**



**UNDER THE AUSPICES OF  
THE INDIAN THERMODYNAMICS SOCIETY**

## THE INDIAN THERMODYNAMICS SOCIETY (ITS)

The Indian Thermodynamics Society (ITS) was established in the year 2001-2002 to promote research in various emerging areas of thermodynamics related to Chemical, Physical, Engineering, Pharmaceutical and Biomolecular Sciences. The Society aims to bring together researchers from academia and industry from all over the globe engaged in exploring the complex systems from molecular to macroscopic levels. The scientists working in interdisciplinary areas use the society platform to interact and share their data, based on experiments, theory and simulation.

### About Panjab University

Panjab University has a long tradition of pursuing excellence in teaching and research in science and technology, humanities, social sciences, performing arts, sports and emerging disciplines. By virtue of its age, experience, achievements and philosophy, it is a University of national character and stature, drawing faculty and students from all over the country and abroad. Presently, the University has been ranked number one in India, as per the Times Higher Education World University Rankings, 2014.

### About University Institute of Pharmaceutical Sciences

The University Institute of Pharmaceutical Sciences (UIPS) is one of the most prestigious and premier pharmaceutical institutes of India. Owing to its accomplishments galore in research publications, patents, landmark discoveries like 'Chandonium', tech-transfers of nanotechnology-enabled drug delivery products, onsite industrial training programs, numerous awards and accolades earned by its globally renowned faculty, the Institute is seen with marked degree of esteem in the entire techno-scientific world.

### About Department of Chemistry

Founded by Dr. S.S. Bhatnagar at Lahore in 1925, the Department of Chemistry, is one of the prestigious departments of Panjab University. Several faculty members are recipients of coveted awards such as Shanti Swarup Bhatnagar award, Jawaharlal Nehru fellowship, Raman and Palit awards. Moreover, the Department can boast of a number of elected fellows, of the three premier science academies of India on its faculty.

### About Chandigarh: The City Beautiful

Chandigarh, a rare epitome of modernization co-existing with Nature's preservation, serves as the capital of two states, Punjab and Haryana, and is also a union territory. India's first planned city-Chandigarh has a number of places to visit in and around, like Sukhna lake, Rock garden, Rose garden, Pinjore garden, various museums and an art gallery.

## About the Conference

Thermodynamics is the cornerstone for many scientific and engineering disciplines including physics, chemistry, chemical engineering, petroleum engineering, biological sciences, pharmaceutical sciences and materials sciences. It provides the basis for the design and optimization of new sustainable industrial processes and the development of advanced products. The Conference is designed to emphasize on the specific applications of thermodynamics to chemical and pharmaceutical systems, including solids, liquids, their mixtures, dosage forms and newer drug delivery systems. The holistic Conference provides a forum for specialists in heat transfer, fluid mechanics and phase equilibria. Scientists hailing from all the corners of the country and beyond are likely to present the latest progress and developments in the field. It will update the participants on computational and simulation methods for understanding the structure, dynamics and interactions of biological molecules with a focus on the topics, such as molecular modeling, atomistic simulation, molecular docking, drug design, Absorption-Distribution-Metabolism-Excretion (ADME), homology modeling, high performance computing, and protein structure prediction. The broad scope brings together a wide range of research areas from fundamental work to applications in the fields of energy, manufacturing, biomedical, processes, drug development, production, education, instrumentation and control. The Conference will provide a tangible forum for networking the scientists hailing from various domains of thermodynamics.

The event will encompass keynote address, plenary sessions, invited talks, oral presentations and poster sessions demonstrating innovative research outcomes and futuristic trends in the following areas but not limited to :

- \* Thermodynamics of solids, liquids and their mixtures
- \* Drug discovery and drug delivery
- \* Supramolecular chemistry
- \* Nanotechnology
- \* Theoretical and computational techniques
- \* Molecular modeling and simulation
- \* Interfacial phenomena
- \* Ionic liquids and green processes including supercritical fluid technology

## Call for Abstracts

The abstract, containing 200-250 words and 5-6 keywords, describing the contents of the research work, should be typed in Microsoft Word with Times New Roman 12-point font, double-spaced, with 1" margin. Please include a brief title at the top of abstract, along with full names of the author(s), their complete affiliation(s) including email and telephone number, along with name(s) of the presenting (underlined) and corresponding author(s). A registered delegate would be permitted to present one paper only. The abstracts for poster/oral presentation should be submitted to Organizing Secretary through email at [nctpc10@gmail.com](mailto:nctpc10@gmail.com) by 30 September 2015.

*The Poster/Oral presentations will be suitably rewarded.*

**Prof. S.L. Oswal Award** has been instituted by him and his students. Nominations are invited for this award which will be conferred during the Conference. For details, please visit the ITS website: <http://department.gndu.ac.in/department/thermo/new-page-5.htm> (Nominations may be submitted up to 20 September 2015)

### Registration and Accommodation

All the participants are requested to register well in advance to help us in making arrangements. The registration would entitle entry to all scientific sessions, poster sessions, hospitality-venues, and other events. The participants may be provided accommodation in guest houses/hostels on first-come-first-served basis.

#### REGISTRATION AND ACCOMMODATION

Participants	By Oct. 10	By Oct. 31
Pre-Doctoral Students	Rs. 1500/Rs. 1000*	Rs. 2000
Faculty/Research Scientist	Rs. 2000/Rs. 1500*	Rs. 2500
Industry/Corporate	Rs. 5500	Rs. 6000
Accompanying Person	Rs.1000	-

\*Life Members of ITS

An additional amount (Rs. 300 per day per person) will be charged for accommodation purpose for all categories. The delegates, preferring to stay in hotels should either contact the respective hotels directly or ask for the help of the organizers. Delegates (non ITS members) from Panjab University will be given 20% discount towards registration.

Weather in Chandigarh during the time of Conference will be pleasant. Day temperature will be around 25-27°C, and night temperature will be 10-12°C. Chandigarh is well connected by rail, road and air. Panjab University is 3 Km from ISBT Sector 17, around 8 Km from Chandigarh railway station, and 13 Km from airport