



**Society of  
Pharmaceutical Education  
& Research™ (SPER)**



**L OVELY  
P ROFESSIONAL  
U NIVERSITY**

*Transforming Education Transforming India*

# 3<sup>rd</sup> Annual Conference

**Society of  
Pharmaceutical Education  
& Research™ (SPER)**

**08<sup>th</sup> March 2014**

**Theme**

*“Recent Trends in Pharma Industry:  
Bridging the Gaps in Pharmaceutical Education”*

## Venue

**Sh. Baldev Raj Mittal Auditorium, LPU, Phagwara [Punjab] India**  
[Lovely School of Pharmaceutical Sciences]

**SPER Official Publication**

**Knowledge Partner**

**Media Partner**

**Journal of  
Advanced Pharmaceutical  
Technology & Research [JAPTR]**



**IFTM University, Moradabad  
[Uttar Pradesh] India**

**SPER Times**

*[A Pharma Magazine Conjoining  
Corporate with Academia]*

**[SPER Official News Magazine]**

*Supported By*



**IPA  
[Education Division]**



**APTI  
[Bangalore]**



**IPGA  
[New Delhi]**



**IHPA  
[New Delhi]**



**Society of Pharmacognosy  
[Bhopal]**



**Bharat Institute of Technology  
Meerut**



**Arogyashala & RNVP  
Pharmaceutical Consultants**



**Pharma Prammarsh  
Rohtak**

*Sponsored By*



## About Society of Pharmaceutical Education & Research (SPER)

It is a registered Society under the M.P. Society Registrarian Adhiniyam, 1973, No. 44 of 1973. Society of Pharmaceutical Education & Research (SPER) is a scientific, educational and professional non-profit organization committed to promote the highest professional and ethical standards of pharmacy and to work for the growth, development and betterment in the field of pharmacy.



## About JAPTR

### Journal of Advanced Pharmaceutical Technology & Research (JAPTR)

(ISSN: Print-2231-4040, Online-0976-2094), an international indexed peer-reviewed research journal is the official publication of the Society of Pharmaceutical Education & Research (SPER). The Journal is available in both print and online (electronic) edition.

JAPTR registered with Registrar of Newspapers for India (RNI)

Medknow Publications and Media Pvt. Ltd. Mumbai, India (A product of Wolters Kluwer Health, Philadelphia, USA) published Journal of Advanced Pharmaceutical Technology & Research (JAPTR) on behalf of Society of Pharmaceutical Education & Research (SPER).

The Journal is published quarterly (in the last week of March, June, September and December).



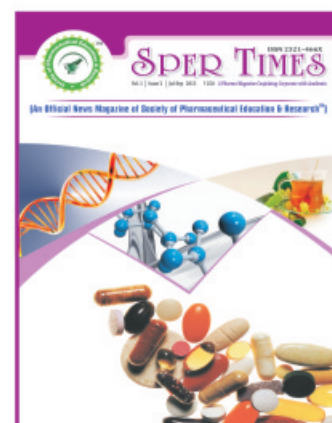
### Abstracting and indexing information

JAPTR is indexed/listed with CAB Abstracts, Caspur, Chemical Abstracts, CNKI (China National Knowledge Infrastructure), DOAJ, EBSCO Publishing's Electronic Databases, Excerpta Medica / EMBASE, Expanded Academic ASAP, Genamics JournalSeek, Global Health, Google Scholar, Health & Wellness Research Center, Health Reference Center Academic, Hinari, Index Copernicus, Indian Science Abstracts, OpenJGate, PrimoCentral, ProQuest, PubMed, Pubmed Central, Scimago Journal Ranking (SJ), SCOLAR, SCOPUS, SIIC databases, Summon by Serial Solutions and Ulrich's International Periodical Directory.

## SPER Times

SPER Times [ISSN: 2321-466X] is an Official News Magazine of Society of Pharmaceutical Education & Research. It is an international news magazine published quarterly (in the last week of March, June, September and December). SPER Times is available in online and print version. SPER Times is published by Society of Pharmaceutical Education & Research (SPER).

SPER Times aiming to communicate short reviews, short communications, society's activities, conference/seminar news, publications, placements, achievements, awards recognitions received, institutional profile, Classic ads, guest editorials, advertorials, web advertising and recognitions received by our members, any other information to be shared among our members that contribute significantly to further the scientific knowledge related to the field of Pharmaceutical Sciences. Articles with judicious interest and novel research concepts will be given more preference.





## *About Lovely Professional University (LPU), Jalandhar*

Translating its slogan "Transforming Education, Transforming India" into reality, Lovely professional University is a perfect blend between modern infrastructure and traditional ambiance. Equipped with all the modern amenities, its 600 acre campus is located on the NH-1 amidst the core rural area of Punjab. The university is currently providing quality education in a plethora of modern as well as traditional areas to about 25,000 students on a single campus, making it the largest university in India.

While serving the remotest regions of rural India, LPU has also developed international programmes, preparing its students to work across the global boundaries. Recognizing the university's repute as an educational hub, many world class institutions across the globe have entered into partnerships and tie ups with LPU. International students and faculty from 26 countries mingle with the Indian students leading to the development of truly global heritage.

To reach out to the masses through out the country, the university has launched its Distance Education Programmes at more than 150 centers across the country where in a number of programmes at Masters, Bachelors, Diploma and Post Graduate Diploma levels are being offered. The university campus exhibits a rich diversity as the academic staff and students come from all the states of India and more than 26 countries in the world. Education at LPU is holistic one, aimed at developing the intellectual and personal strengths of students. The LPU experience takes place both within and outside the classroom, nurturing creativity and innovation through challenging project work, participative learning and providing an environment conducive to sparking ideas and to translate those ideas into reality.

The discipline of pharmacy was introduced in the year 2002. In a period of one decade, the school has been able to create unmatched infrastructure and facilities. In keeping with its objective of providing the best possible pharmaceutical education, highly knowledgeable faculty has been selected from educational/ industrial and regulatory back ground. Continuous interaction with industry is maintained to ensure that the learning programme remains relevant to the changing trends in pharmaceutical industry. Every year, a number of officials from industries visit the discipline for personal interaction with the students, and the students are also taken to the industries for gaining first- hand experience with the industrial culture.

Mission of the school is to educate and train students in the knowledge and practice of Pharmaceutical Sciences and contribute to the improvement of the health of the society through educational and research programmes. Annual welfare programs are held where thousands of people from the surrounding rural areas are given free diagnostic check ups and treatments.

The Discipline is constantly seeking to upgrade the quality of its education and actively participates in research to remain at the cutting edge. Students from the department have filed a number, of national and international patents. Many of our alumni hold prominent positions in industry and academia both in India and abroad.

## *About IFTM University, Moradabad*

IFTM University was established in the year 2010 as a culmination of two constituent colleges viz; Institute of Foreign Trade and Management (started in 1996) and College of Engineering and Technology (started in 2002). It started with enrolling the first batch of Ph.D. from session 2010-11. Currently the University is structured into seven schools with each school imparting "Diploma to Doctorate" level of education. Seven schools of IFTM University are: School of Business Management, School of Engineering and Technology, School of Computer Engineering and Applications, School of Biotechnology, School of Pharmaceutical Sciences, School of Sciences & School of Social Sciences. It has a very dynamic alliances cell with top companies like Infosys, IBM, and Reliance etc. that equip the students to be industry-ready professionals.



## Chairman's Message



Twofold gap exists between the goals and deliverables of pharmaceutical industry and competent educational institutions that offer relevant programmes for the industry. The first one relates to the understanding (teaching) of and compliance to current benchmarks (especially regulatory standards) of the industry. In this regard, both awareness and prototype practical classes are desirable. The other kind of gap is opening up in the field of innovation and discovery. The education needs to be stimulating and challenging enough such that it inspires goals and simultaneously strives to come up with new and ground-breaking therapies that are efficacious and safe.

Recent trends in international pharmaceutical industry include discovery and development of prophylactic and therapeutic interventions involving macromolecules, such as monoclonal antibodies, recombinant proteins, biosimilars etc. Innovation in the area of small molecule drugs is still trendy but does not constitute the sole focus of the protagonists. With the advent and maturing of genomics and proteomics, characterization of disease signals, of appropriate cellular or molecular targets and short listing lead candidates take relatively shorter time than yesteryears'.

As far as Indian pharmaceutical industry is concerned, skills for developing generic equivalent of innovator drugs and new drug delivery systems are to be taught along with an international focus in discovery and development of new entities (chemical and biological). Even the development of generics entails application of cutting edge science and technology. Quality by design, risk mapping and mitigation, complex but appropriate designs of bioequivalence studies (e.g. replicate designs) and limited comparative clinical trials are some of the examples of recent trends in the development of generic prescription drugs. In the development of new chemical and biological entities, plenty of new ideas are at work in both preclinical and clinical domains. Reliable animal models for chronic diseases and GLP toxicity studies of various types are producing high quality data for preclinical evaluation of lead drug candidates. Design and conduct of clinical trials (phase I to IV) are getting refined every year through knowledge acquisition and higher level of regulatory demands.

In this conference, we hope to showcase some of the best talents in the industry and academia who will shed light on various aspects of bridging the gap between deliverables of these two highly respectable institutions of the society.

I request you to support SPER 3<sup>rd</sup> Annual Conference wholeheartedly. Our team is striving hard to ensure highest level of value addition and satisfaction to all participants.

I look forward to welcoming you to the SPER 3<sup>rd</sup> Annual Conference 2014.

**Dr. Bhaswat S. Chakraborty**

Chairman-Organizing Committee,  
SPER 3<sup>rd</sup> Annual Conference 2014

Senior Vice-President & Chairman, R&D Core Committee,  
Cadila Pharmaceuticals Ltd., Ahmedabad, Gujarat [India]



## Organizing Secretary's Message



*Dear Friends,*

I am very delighted to share with you that Society of Pharmaceutical Education and Research™ (SPER) is now going to organize its 3<sup>rd</sup> annual conference under the theme **"Recent Trends in Pharma Industry: Bridging the Gaps in Pharmaceutical Education"** at Lovely Professional University [LPU], Punjab on 08<sup>th</sup> March 2014. The conference has been organized in collaboration with "Lovely Professional University" [LPU] and supported by the Knowledge partner "IFTM University", Moradabad (U.P.).

The conference is supported by IPA [Education Division], APTI, Bangalore, IPGA, New Delhi, IHPA, New Delhi & Society of Pharmacognosy, Bhopal and sponsored by various reputed industries/organizations.

SPER had already been celebrated grand success of its two successive conferences viz. 1<sup>st</sup> Annual conference at Delhi Institute of Pharmaceutical Science And Research, New Delhi on 23<sup>rd</sup> June 2012 and 2<sup>nd</sup> Annual Conference at Jamia Hamdard, New Delhi on 9<sup>th</sup> March 2013.

In the present transforming global scenario, there is a vital requisite to improve the level of pharmacy education that can rise up and keep a breath with standards of our speedy developing pharmaceutical industry. This one day conference will bring together all national professionals and health care experts to discuss prospects and challenges for health care sector in India and thus will prove to be a landmark event in the relevant areas. It basically aims to make our young budding pharmacist updated about the latest technologies in research and development of Pharmacy discipline.

I would like to invite you on this occasion and attend our conference which will present a great value and an excellent opportunity to meet industry experts and learn about the latest technologies. The conference is going to give everyone valuable occasions for faster professional advancement, corporate success and would provide wonderful everlasting memories.

I on behalf of entire local organizing committee invite you all to participate in the SPER 3<sup>rd</sup> Annual Conference.

**With Warm Regards,**

A handwritten signature in blue ink, appearing to read 'U Nagaich'.

**Dr. Upendra Nagaich**

M.Pharm., Ph.D., FSPER

Organizing Secretary

SPER 3<sup>rd</sup> Annual Conference 2014

**Secretary, Society of Pharmaceutical Education & Research [SPER]  
Editor, Journal of Advanced Pharmaceutical Technology & Research [JAPTR]  
Editor-in-chief, SPER Times**



## *Chairman-LOC Message*

It is a pleasure to welcome you to Lovely Professional University for the 3<sup>rd</sup> Annual Conference of the Society of Pharmaceutical Education and Research [SPER].

The theme of the conference is **"Recent Trends in Pharma Industry: Bridging the Gaps in Pharmaceutical Education"**. In spite of tremendous growth in the field of pharmaceutical sciences, a widening gap is perceptible between the expectations of the recruiters and the accomplishments of the academia. The conference will provide an opportunity for the exchange of ideas and thoughts amongst the thought leaders from academia, industry and research institutions on the challenges and opportunities to fill these gaps.

We are expecting a large turn-out of professionals from various institutions and students across the globe to attend the conference. The conference speakers will include stalwarts from pharmaceutical industry, academia, research organizations and Government sector. We hope to have meaningful deliberations that lead to certain tangible results in this critical area.

We hope that you will cherish the vibrant culture at LPU campus!



**Prof. (Dr.) Monica Gulati**  
**Chairman-LOC**  
**SPER 3<sup>rd</sup> Annual Conference 2014**

Professor & Sr. Dean,  
Lovely Faculty of Applied Medical Sciences,  
Lovely Professional University, Phagwara [Punjab] India



## Objective

Recent trends of pharmaceutical industry like novel drug discovery and delivery techniques have become a major zone to put focus on. This one day conference will basically highlight the needs of encouraging the education and training of personnel in the fields of pharmaceutical technology so as to fulfil the industrial requirements. It ultimately results in improved well being of patients and raise up the standards of health care sector. Experts from pharmacy and allied specialities will address about the strategies to be employed for raising the paradigm of pharmaceutical education for the betterment of its domains.

## Abstract submission

Scientific research papers on unpublished/original work are invited for oral/poster presentation. Submit the abstract online to [sperconference@sperpharma.org](mailto:sperconference@sperpharma.org) in Times New Roman font. It should reflect the aspects of the study. Title should be in bold case (font size 14) full names of the authors followed with their affiliation in normal font (font size 12), not exceeding 200 words. The presenting authors name should be bold and marked with astrisk along with e-mail and should be registered for the Conference.

## Oral/Poster Presentation Guidelines

Oral presentation time limit will be 10 minutes followed by 2 minutes discussion/questionnaire. Only selected abstracts will be considered for oral presentation (only Ph.D. awarded delegates).

Poster content should be divided into following sections: Title, Authors, Affiliation, Introduction, Material and Methods, Results and Discussion, Conclusion and References. Poster should be decent and should not exceed in size from 80×120 cm.

**Authors are instructed not to use A4 size papers for their poster presentation.**

## SPER Awards

### *Mrs. Sudha Nagaich Memorial Award*

During Conference, Mrs. Sudha Nagaich Memorial Award, SPER Fellowship Award, Eminent Teacher, Principal of the year, Young Scientist, Innovative Researcher, Young Teacher, Young Talent, and Best Student award (for UG, PG and Ph.D. Scholar) and Best Poster awards will be given.

## SPER WF-Awards

During Conference, SPER-WF Eminent Teacher Award, SPER-WF Young Scientist Award, SPER-WF Innovative Researcher Award, SPER-WF Young Teacher Award, SPER-WF Best Student Award will be given.

**Nominations are invited for SPER Fellowship Award, Eminent Teacher, Principal of the year, Young Scientist, Innovative Researcher, Young Teacher, Young Talent, and Best Student (for UG, PG and Ph.D. Scholar)**

**and**

**SPER-WF Eminent Teacher Award, SPER-WF Young Scientist Award, SPER-WF Innovative Researcher Award, SPER-WF Young Teacher Award, SPER-WF Best Student Award**

*Last date for sending the nominations: 15<sup>th</sup> January 2014. Send your nominations at [secretary@sperpharma.org](mailto:secretary@sperpharma.org)*



## *Tariff For Advertisements*

To be published in conference Souvenir

PARTICULARS	SIZE	RATE [INR]
Back Outer Cover	11" x 8.5"	2,00,000
Front Inside Cover	11" x 8.5"	1,00,000
Back Inside Cover	11" x 8.5"	50,000
Full Page	11" x 8.5"	15,000
Half Page	8.5" x 5"	10,000

The organizations/company can highlight their objectives and can sponsor the Breakfast/Lunch/High Tea.

**Breakfast @ Rs. 1, 00,000**

**Lunch @ Rs. 3, 00,000**

**High Tea @ Rs. 1, 50,000**

*All cheque/DD should be in favour of "Society of Pharmaceutical Education  
& Research" payable at Gwalior and send at:*

*To,*

*Dr. Upendra Nagaich*

*22-C, Jawahar Colony, Kampoo, Gwalior-474001 (M.P.) India*

### **IMPORTANT DATES:**

**SPER Conference Date**

**08<sup>th</sup> March 2014**

**First Registration Deadline**

**15<sup>th</sup> January 2014**

**Second Registration Deadline**

**31<sup>st</sup> January 2014**

**Last Date for Abstract Submission**

**(Oral & Poster)**

**31<sup>st</sup> December 2013**

## Registration Fee:

The registration fee covers SPER Conference attendance certificate, Conference kit, abstract book, breakfast, lunch and high tea

	Before 15 <sup>th</sup> January 2014	Before 31 <sup>st</sup> January 2014	Spot Registration	Industrial Tour* [09 <sup>th</sup> March 2014]
SPER Student Members	₹ 1000	₹ 1400	₹ 1800	₹ 1000 / \$ 100 [Registration is limited to first 75 participants only]  NO SPOT REGISTRATION
Student Delegates	₹ 1200	₹ 1600	₹ 2000	
SPER Life Members	₹ 1400	₹ 1800	₹ 2200	
Academia/Industries	₹ 1800	₹ 2200	₹ 2600	
Foreign delegates	\$ 200	\$ 250	\$ 300	

\* Accommodation and Dinner [08<sup>th</sup> March 2014] along with Breakfast [09<sup>th</sup> March 2014] will be provided for the students registered for the Industrial Tour. Bus facility will be provided for the Industrial Tour on 09<sup>th</sup> March 2014.

The students who wish to register for the Conference are required to send a photocopy of valid student proof along with their registration form.

Registration fee is non-refundable and non-transferable. No refund in case of cancellation. Only registered delegates will be allowed to attend the Conference. **Please carry your photo id card for security reasons.**

Foreign delegates need valid passport & visa. They should ensure early registration & they will receive an acknowledgment letter.

### Remittance details:

The registration fee can be paid by cheque/DD, Cash and Money Transfer.

All cheque/DD should be in favour of "Society of Pharmaceutical Education & Research" payable at Gwalior. Kindly add ₹ 50 extra as bank transaction charges in case of cash deposition & Money Transfer.

### Bank Transfer:

Bank Name: State Bank of India  
Branch: G. R. Medical College, Gwalior (M.P.) India  
Account Name: Society of Pharmaceutical Education & Research  
Account Type: Current Account

Account Number: 32236533910

IFSC Code: SBIN0005332





# Registration Form

(Photocopies can be used)

Name (IN BLOCK LETTER): .....

DOB:.....Sex: Male ☐ Female ☐

Qualification: .....

Designation: .....SPER Membership No.: .....

Organization: .....

Address: .....

Mobile No.: .....E-mail: .....

Interested in: SPER Conference ☐ Industrial Tour ☐

	Before 15 <sup>th</sup> January 2014	Before 31 <sup>st</sup> January 2014	Spot Registration	Industrial Tour <sup>*</sup> [09 <sup>th</sup> March 2014]
SPER Student Members	₹ 1000	₹ 1400	₹ 1800	₹ 1000 / \$ 100 [Registration is limited to first 75 participants only]  NO SPOT REGISTRATION
Student Delegates	₹ 1200	₹ 1600	₹ 2000	
SPER Life Members	₹ 1400	₹ 1800	₹ 2200	
Academia/Industries	₹ 1800	₹ 2200	₹ 2600	
Foreign delegates	\$ 200	\$ 250	\$ 300	

Registration Amount: .....Total Amount: .....DD/Cheque no.: .....

Drawn on:.....Date: .....

Signature of delegate: .....

Send duly filled registration form along with registration fee (DD/Cheque) at:  
(Kindly send the **ORIGINAL** bank deposit slip along with the registration form)

**Dr. Upendra Nagaich**  
22-C, Jawahar Colony,  
Kampoo, Gwalior-474001 (M.P.) India

For More Information Contact :

E-mail : [secretary@sperpharma.org](mailto:secretary@sperpharma.org)  
Website : [www.sperpharma.org](http://www.sperpharma.org)  
+91-9301907999, +91-8400033397

# *Glimpse Of Sper 2<sup>nd</sup> Annual Conference*



## *Programme Outline*

08<sup>th</sup> March 2014 (SPER Conference)

### **Morning Session**

(09:00 AM-12:50 PM)

Registration

(09:00 AM-10:00 AM)

Inauguration & Welcome address

(10:00 AM-11:00 AM)

Breakfast /Tea Break

(11:00 AM-11:30 AM)

Scientific Session-I/Poster Presentation (PC)

(11:30 AM-12:10 PM)

Scientific Session-II/ Poster Presentation (PH)

(12:10 AM-12:50 PM)

### **Afternoon Session**

(12:50 PM-03:10 PM)

Lunch Break

(12:50 PM-01:50 PM)

Scientific Session-III/ Poster Presentation (PCH)

(01:50 PM-02:30 PM)

Scientific Session-IV/ Poster Presentation (PG)

(02:30 PM-03:10 PM)

### **Evening Session**

(03:10 PM-06:00 PM)

High Tea

(03:10 PM-03:40 PM)

Oral Presentations

(03:40 PM-04:20 PM)

Valedictory Function & Awards

(04:20 PM-05:20 PM)

Cultural Events

(05:20 PM-06:00 PM)



## *Honorable Advisors*

Mr. A. K. Gupta, New Delhi	Dr. Mithilesh Narendra Trivedi, Mumbai
Prof. (Dr.) A. N. Kalia, Moga	Prof. (Dr.) N. Udupa, Manipal
Prof. A. P. Hardas, Nagpur	Prof. (Dr.) R. L. Khosa, Meerut
Dr. A. Rajendran, Chennai	Prof. (Dr.) R. M. Dubey, Moradabad
Dr. Ajay P. Gupta, Bhiwadi	Prof. (Dr.) Roop K. Khar, Faridabad
Prof. (Dr.) Arun Garg, New Delhi	Prof. (Dr.) S. C. Arora, Kaithal
Prof. (Dr.) Ashoke K. Ghosh, Moradabad	Prof. (Dr.) S. D. Tonpay, Indore
Mr. Atul Kumar Nasa, New Delhi	Prof. (Dr.) S. H. Ansari, New Delhi
Prof. B. G. Shivananda, Bangalore	Prof. (Dr.) S. H. Mishra, Vadodara
Prof. (Dr.) B. P. Srinivasan, New Delhi	Dr. S. K. Jain, New Delhi
Prof. (Dr.) Brahmeshwar Mishra, Varanasi	Mr. S. L. Nasa, New Delhi
Prof. (Dr.) C. K. Kokate, Belgaum	Prof. (Dr.) Saranjit Singh, Mohali
Prof. (Dr.) Ciddi Veeresham, Warangal	Prof. (Dr.) Satish Sardana, Sonipat
Prof. (Dr.) D. K. Jain, Indore	Mr. Satpal Singh Khurana, Jalandhar
Prof. (Dr.) D. P. Pathak, New Delhi	Dr. Surinder Sharma, Panchkula
Prof. (Dr.) Devender Pathak, Mathura	Prof. (Dr.) T. V. Narayana, Hyderabad
Prof. (Dr.) Gali Vidya Sagar, Kutch	Mr. Tarsem Jain, Rohtak
Prof. (Dr.) Gouri Kumar Dash, Malaysia	Prof. (Dr.) V. K. Dixit, Sagar
Prof. (Dr.) J. S. Virk, Meerut	Prof. (Dr.) V. K. Kapoor, Ludhiana
Prof. (Dr.) Kamla Pathak, Mathura	Prof. (Dr.) V. R. Sinha, Chandigarh
Mr. Kaushik Desai, Mumbai	Prof. (Dr.) Vijay Bhalla, G. Noida
Prof. (Dr.) M. R. Yadav, Vadodara	Mr. Vinod Kumar Jain, Meerut
Dr. Mahesh Burande, Pune	Dr. Vinod Kumar Saxena, Mohan

## *Organizing Committee*

### PATRON

**Prof. (Dr.) Ramesh Kanwar**

Vice-Chancellor, Lovely Professional University, Phagwara [Punjab] India

### CHAIRMAN- ORGANIZING COMMITTEE

**Dr. Bhaswat Sundar Chakraborty**

Senior Vice-President & Chairman, R&D Core Committee,  
Cadila Pharmaceuticals Ltd., Ahmedabad

### ORGANIZING SECRETARY

**Dr. Upendra Nagaich**

Secretary, Society of Pharmaceutical Education & Research [SPER]  
Editor, Journal of Advanced Pharmaceutical Technology & Research [JAPTR]  
Editor-in-Chief, SPER Times

### TREASURER

**Mrs. Jaya Nagaich**

Treasurer, Society of Pharmaceutical Education & Research [SPER]  
Executive Editor, Journal of Advanced Pharmaceutical Technology & Research [JAPTR]  
Managing Editor, SPER Times

### CHAIRMAN-LOC COMMITTEE

**Prof. (Dr.) Monica Gulati**

Professor & Sr. Dean,  
Lovely Faculty of Applied Medical Sciences, Lovely Professional University,  
Phagwara [Punjab] India

### CHAIRMAN-SCIENTIFIC COMMITTEE

**Dr. Rakesh Kumar Sharma**

Scientist 'G', Additional Director & Head  
CBRN Defence, INMASS, DRDO, New Delhi [India]

### SCIENTIFIC COMMITTEE MEMBERS

Dr. Amit Singh, Phagwara	Prof. (Dr.) Rajiv Dahiya, Bhopal
Prof. (Dr.) Anupama Diwan, Gurgaon	Dr. Rakesh Pahwa, Kurukshetra
Prof. (Dr.) Ashish Baldi, Moga	Prof. (Dr.) Roopa Karki, Bangalore
Prof. (Dr.) Avijit Mazumder, G. Noida	Prof. (Dr.) Roopa S. Pai, Bangalore
Dr. Bhaskar Mazumder, Dibrugarh	Prof. (Dr.) S. L. Harikumar, Mohali
Prof. (Dr.) Dheeraj Ahirwar, Bilaspur	Dr. Sachin Kumar Singh, Phagwara
Dr. Dilipkumar Pal, Bilaspur	Dr. Sazal Patyar, Phagwara
Prof. (Dr.) Divakar Goli, Bangalore	Dr. Sharad Wakode, New Delhi
Prof. (Dr.) G. D. Gupta, Bela	Dr. Shruti Chopra, Phagwara
Dr. Ginpreet Kaur, Mumbai	Dr. Shyam Baboo, Phagwara
Prof. (Dr.) Hayat Mohd. Mukhtar, Amritsar	Dr. T. S. Easwari Senthil, Meerut
Dr. Inderbir Singh, Rajpura	Dr. Tamil Vanan, Phagwara
Prof. (Dr.) M. K. Gupta, Kota	Dr. Virendra Kumar Tiwari, Ghaziabad
Dr. M. P. Khinchi, Kota	Dr. Yasir Hasan Siddique, Aligarh
Dr. Pravin Pawar, Rajpura	Mrs. Yogyata Vaidya, Phagwara
Prof. (Dr.) Pushpendra Tripathi, Lucknow	Dr. Y. S. Tomar, Haridwar
Dr. R. K. Narang, Moga	Dr. Zeenat Iqbal, New Delhi

### MANAGING COMMITTEE

Dr. Amit Bhatia	Dr. Santosh Yele
Dr. Amit Mittal	Dr. Sorabh Lakhanpal
Mr. Bimlesh Kumar	Dr. Yashwant

### REGISTRATION COMMITTEE

Mr. Pardeep Sharma	Mr. Saurabh Singh Baghel
Mr. S. Sameer Khan	Dr. Vivek Gupta

### RECEPTION / STAGE COMMITTEE

Dr. Anania Arjuna	Dr. Manish Vayas
Mrs. Barinderjeet Kaur	Ms. Mukta Gupta
Mr. Bhupinder Kapoor	Dr. Suraj Pal
Dr. Charu Abbi	



### HOSPITALITY / CIRCULATION / INVITATION COMMITTEE

Ms. Amrinder Kaur    Dr. Kalpana Nagpal  
Mr. Ashish Sutte    Mr. Navneet Duggal  
Dr. Deepak N Kapoor    Dr. Rakesh Narang  
Dr. Gopal Lal Kartik    Dr. Surendra Nayak  
Dr. Jasmeen Sidhana

### DISCIPLINE COMMITTEE

Mr. Dileep Singh Baghel    Mr. Lokesh Kumar Joshi  
Mr. Harmanpreet Singh    Mr. Narendra Pandey  
Mr. Kalyan Sen    Mrs. Vandana Kalsi

### PHOTOGRAPHY COMMITTEE

Dr. Yashwant

### CORE COMMITTEE MEMBERS

Mr. Abuzer Ali, New Delhi	Dr. Neeraj Sethiya, Vadodara
Mr. Amit Chaudhary, Meerut	Mr. Neetesh Jain, Indore
Mr. Ankit Jain, Ahmedabad	Mrs. Neha Gulati Jain, Meerut
Dr. Anu Chaudhary, Meerut	Mr. Prashant Tiwari, Bilaspur
Mr. Bhavya Rastogi, Gwalior	Mr. Praveen Sharma, Indore
Dr. Biswaranjan Mohanty, Mayurbhanj	Mr. Rahul Taneja, Panchkula
Mr. Denanath Jhade, Bilaspur	Mrs. Reena Gupta, Mathura
Ms. Ehsaneh Jafari, Bangalore	Dr. Rohit Goyal, Solan
Mr. Ganesh N. Sharma, Jaipur	Ms. Sameksha Koul, Meerut
Dr. Gurfateh Singh Sugga, Mohali	Mr. Sanjib Bhattacharya, Hooghly
Mr. Gurinder Singh, Bangalore	Dr. Sudhir Bhardwaj, Gwalior
Dr. Harlokesb Yadav, Mathura	Mr. Sunder Singh, Meerut
Dr. Hemendra Gautam, Jhansi	Dr. Sushma Gupta, Rajpura
Mr. Jitendra Gupta, Mathura	Dr. Tanveer Naved, Noida
Dr. Manoj Goyal, Gwalior	Dr. Tarun Singh, New Delhi
Mr. Mohd Rageeb Mohd Usman, Chopda	Mrs. Vandana Chaudhary, Faridabad
Dr. Munish Kumar, Barwala	Dr. Vinay Pandit, Kangra

### *Contact*

***Dr. Upendra Nagaich***

M.Pharm., Ph.D., FSPER

Secretary, Society of Pharmaceutical Education & Research [SPER]  
Editor, Journal of Advanced Pharmaceutical Technology & Research [JAPTR]  
Editor-in-Chief, SPER Times  
Mobile no: +91-9301907999, +91-8400033397

E-mail: [secretary@sperpharma.org](mailto:secretary@sperpharma.org) / [upendra\\_nagaich@hotmail.com](mailto:upendra_nagaich@hotmail.com)  
Website: [www.sperpharma.org](http://www.sperpharma.org) / [www.japtr.org](http://www.japtr.org)



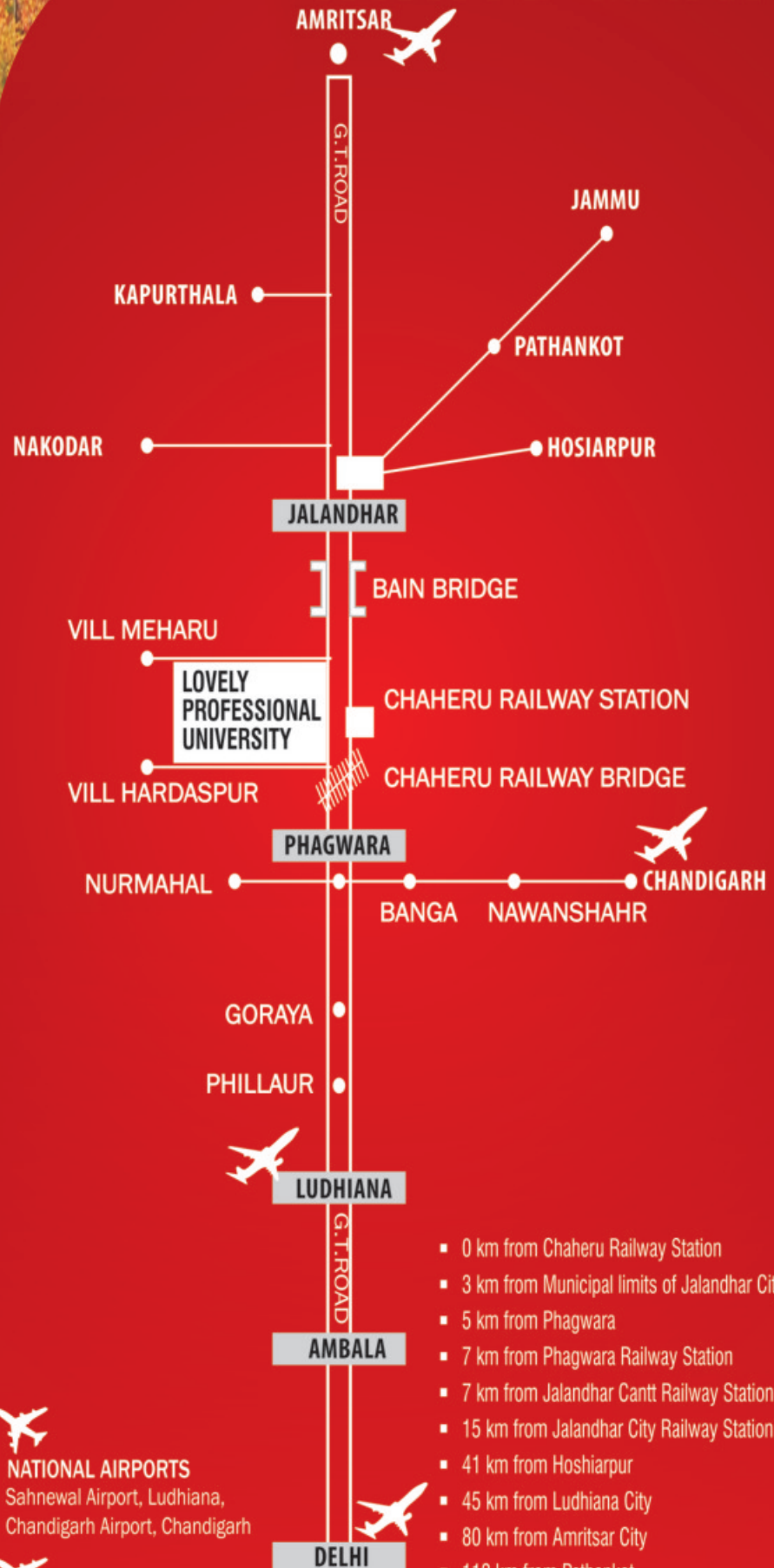
# TOURIST LOCATIONS

Jalandhar	4 km	Kurukshetra	226 km
Ludhiana	51 km	Chamba	226 km
Amritsar	79 km	Nahan	231 km
Uletokpo	94 km	Shimla	236 km
Pathankot	115 km	Chail	242 km
Nalagarh	126 km	Kullu	243 km
Kangra	135 km	Kufri	246 km
Dharamsala	154 km	Udhampur	265 km
McLeodganj	155 km	Manali	286 km
Chandigarh	157 km	Kalsi	294 km
Ambala	158 km	Rajaji National Park	309 km
Mandi	173 km	Dehradun	315 km
Palampur	175 km	Haridwar	327 km
Dalhousie	181 km	Chakrata	338 km
Kasauli	182 km	Mussoorie	340 km
Morni Hills	201 km	Rishikesh	350 km
Arki	205 km	Sarahan	352 km
Jammu	213 km	Delhi	364 km





# ROUTE MAP



- 0 km from Chaheru Railway Station
- 3 km from Municipal limits of Jalandhar City
- 5 km from Phagwara
- 7 km from Phagwara Railway Station
- 7 km from Jalandhar Cantt Railway Station
- 15 km from Jalandhar City Railway Station
- 41 km from Hoshiarpur
- 45 km from Ludhiana City
- 80 km from Amritsar City
- 112 km from Pathankot
- 130 km from Chandigarh
- 219 km from Jammu
- 350 km from Delhi



**LOVELY  
PROFESSIONAL  
UNIVERSITY**

*Transforming Education Transforming India*

**Lovely Professional University**

Jalandhar-Delhi G.T. Road (NH-1), Phagwara, Punjab (India)-144411

Ph: +91-1824-406699 (M) +91-9780005951 Fax : +91-1824-506100

Email : [disha@lpu.co.in](mailto:disha@lpu.co.in) website : [www.lpu.in](http://www.lpu.in)



## NATIONAL AIRPORTS

Sahnewal Airport, Ludhiana,  
Chandigarh Airport, Chandigarh



## INTERNATIONAL AIRPORTS

Raja Sansi International Airport, Amritsar  
Indra Gandhi International Airport, Delhi