

TRADITIONAL MEDICINE

- ◎ To lay down standards and effective quality controls on the herbal medicinal products.
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- ◎ To create databases for identification and authentication of materials with well defined botanical and phytochemical characteristics.
- ◎ To create quantitative standards for extracts and their formulations through chemo and bio-profilings.
- ◎ To create standard protocols establishing purity of materials, identification of adulterants, substitutes, pathogenic bacteria & fungi, heavy metals and pesticide residues.

WWW.NATURALPRODUCTS-NIPER.COM

In the month of August 2009, this website was launched by Prof. K.K. Bhutani giving brief description of work done by Natural Products research Group at the Department of Natural Products along with downloadable department's profile. The outcomes of our two projects on North-East (two books and a documentary) and Bihar (a book and a documentary) region of India supported by Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Government of India have also been uploaded on this website, which are freely accessible to public. We have displayed Databases/References libraries of Ayurvedic plants, their derived formulations (Single & Polyherbal) and North-East India medicinal plants on HPTLC, HPLC and LCMS fingerprints that are available in the Department. Biological and Pharmacological Assays and Group's Publication List (From 1974 to 2016) of the Department of Natural Products can also be viewed, development of in-vitro testing models for screening of natural products, in the above mentioned therapeutic areas.

GENERAL INFORMATION

Chandigarh The City Beautiful, is the best planned city of India, famous for Nek Chand's Rock Garden. It is connected by rail, road and air with New Delhi. Chandigarh is capital of two states - Punjab and Haryana, and is also a Union Territory. The city has beautiful gardens along a seasonal stream and a beautiful Sukhna Lake. Chandigarh is the face of Modern India. The historic city of Amritsar, famous for Golden Temple is about 250 km from Chandigarh. The Taj Mahal situated in Agra is about 450 km from Chandigarh.

OFFICIAL LANGUAGE

The official language of the Conference will be English and there will not be any provision of translation into other languages.

WEATHER

The weather is pleasant in November in this part of India. The minimum and maximum temperature is expected in the range of 15-25°C. Light warm clothing may be required.

REACHING NIPER, SAS NAGAR, INDIA

NIPER is located about 250 km north of Delhi at SAS Nagar (Mohali), Punjab on a total area of 130 acres. SAS Nagar is located close to Chandigarh and well connected by air, train & roads. Chandigarh Airport is about 4.2 km from conference venue, NIPER, SAS Nagar (approximately 14 minutes, drive by taxi). Four flights to Chandigarh are available from Delhi daily.

ARRIVAL BY TRAIN

Chandigarh Railway Station is well connected to New Delhi Railway Station. It is about 14 km from the conference venue (approximately 25 minutes drive by taxi).

ARRIVAL BY ROAD

NIPER is about 12 km from Chandigarh Bus Stand. For details please, log into <http://chandigarhtourism.gov.in/>.



CONTACT DETAILS

All correspondence concerning scientific items should be addressed to: -

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5th BIENNIAL INTERNATIONAL

Conference on New Developments in
Drug Discovery from Natural Products
&
Traditional Medicines
(18-20 November 2016)



Organized By: Department of Natural Products
National Institute of Pharmaceutical Education
and Research (NIPER), S.A.S. Nagar, Punjab, India.

THE THEME

Natural Products have been regarded as mainstay of drug discovery programs as they offer unmatched chemical diversity with structural complexity and biological potency. India, with its rich biodiversity and millennia old traditional medicine system of Ayurveda, offers a unique opportunity to undertake rationalized drug discovery program based on herbal drugs for the benefit of man-kin. Research inputs to provide scientific basis to Ayurveda are the need of the hour. This provides for the unique advantages for pharma industry to enhance drug discovery programs in India. Searching for the natural products in untapped sources can lead us to new horizons where we can find novel, potent and selective drug leads. In order for natural product drug discovery to continue to be successful, new and innovative approaches are required. This conference will provide a platform for networking national and international researchers and pharma industry to harness the hidden potential of Mother Nature’s Combi-Lab.

SCIENTIFIC TOPICS

- ⦿ Nutraceuticals and Functional Foods
- ⦿ Lifestyle and Metabolic Disorders
- ⦿ Natural Products Chemistry - Isolation and Synthesis
- ⦿ Traditional Medicines and Formulations
- ⦿ Marine Natural Products
- ⦿ Inflammation and Immunological Disorders
- ⦿ Intellectual Property Rights

CONVENER

Prof. K.K.Bhutani, NIPER, SAS Nagar

ADVISORY COMMITTEE

Prof. Sukh Dev, India Prof. Goverdhan Mehta, India
Prof. William Gerwick Prof. Acharan S. Narula

LOCAL ORGANIZING COMMITTEE

Prof. K.K.Bhutani, Prof. Sanjay Jachak, Prof. Inder Pal Singh

CONFIRMED SPEAKERS

Many National and International speakers are expected to share their knowledge & experiences in the field of Drug Discovery.

CALL FOR PAPERS

Short lectures and posters related to above mentioned scientific topics and other fields of natural products with pharmaceutical, nutraceutical and/or rationalization of TM interest are welcome. For details please visit the conference website: - www.ddnptm-niper.com

All authors are requested to follow strictly the given guidelines for preparation of abstract. All abstracts will be reviewed by scientific committee and the notification of acceptance or rejection will be sent to the presenting author.

POSTER AWARDS

Three posters will be selected for the award based on the scientific content and their layout.

REGISTRATION

Fully completed registration forms should be sent with bank receipt by October 20, 2016. Registration will be confirmed after receipt of the documents as mentioned above. On spot registration can also be done at the conference secretariate which will be operating at the conference venue during the conference depending upon the availability of seats.

Categories	Regular Registration upto September 30 th		On spot Registration	
Foreign Delegates	Single	Group ≥4	Single	Group ≥4
A. Academia	US\$ 400	US\$ 300	NA	NA
B. Industry	US\$ 800	US\$ 700	NA	NA
C. Students	US\$ 200	US\$ 150	NA	NA
Indian Delegates	Single	Group ≥4	Single	Group ≥4
A. Academia	Rs.4,500	Rs.4,000	Rs.6,000	Rs.5,000
B. Industry	Rs.10,000	Rs.8,000	Rs.12,000	Rs.10,000
C. Students	Rs.2,500	Rs.2,000	Rs.3,000	Rs.2,500

(Group ≥4: Group registration is valid for a group of 4 or more delegates)

DEADLINES

Abstract Submission: September 30, 2016

Abstract Acceptance Notification: October 15, 2016

Regular Registration: October 31, 2016

ABOUT NIPER

National Institute of Pharmaceutical Education and Research (NIPER) is an autonomous institute under the aegis of Ministry of Chemical and Fertilizers, Government of India. NIPER a premier pharmaceutical institute in India, was created in 1994 by an Act of Parliament of India and declared an institute of national importance by the government. The institute offers Masters and Doctoral programs and is the first national level institute of India in pharmaceutical sciences with a proclaimed objective of becoming a centre of excellence for advanced studies and research. The students trained at NIPER are highly regarded in pharmaceutical industry. The success of NIPER has facilitated the setting up of six more similar institute, which have already started functioning at Ahmedabad, Guwahati, Hajipur, Hyderabad, Kolkata and Rae Bareli. With its internationally recognized expertise in drug target identification, validation, lead generation and optimization, impurity profiling, formulation and pre-clinical studies, NIPER is looking forward to explore the possibility of establishing collaborations with pharmaceutical industries in all aspects of drug discovery and development.

THE MAIN OBJECTIVES OF THE INSTITUTE ARE:

- ⦿ Provide leadership in pharmaceutical sciences
- ⦿ Advanced research in new and emerging areas
- ⦿ National/Interntional collaborative research
- ⦿ Human resource development
- ⦿ Media and curriculum development
- ⦿ Establishment of national centres
- ⦿ Sponsored projects
- ⦿ Promotion of community and institutional pharmacy
- ⦿ Study of sociologic aspects of drug use

DEPARTMENT OF NATURAL PRODUCTS

The department is actively engaged in drug discovery and traditional medicine development programs.

DRUG DISCOVERY

Discovery of New Chemical Entities (NCEs) from natural products of terrestrial, microbial and marine origin in the following therapeutic areas:

- ⦿ Anti-diabetics, antioxidants and immunomodulation, adaptogens, anti-inflammatory agents, gynaecology and endocrine dysfunction, anticancer agents with apoptotic molecular basis, anti-protozoal and anti-infective agents, anti-obesity and anit-hyperlipidemic life cycle diseases.
- ⦿ Development of *in-vitro* testing models for screening of natural products in the above mentioned therapeutic areas.
- ⦿ Semi synthesis and synthesis of biologically active compounds along with generation of pseudo-natural products.