

## VISA

You are requested to apply for a visa to the nearest Pakistani Embassy or High Commission. Participants from countries with no Pakistani diplomatic mission should also write to the Secretariat at least three months in advance. A formal invitation letter would be required from the Chairman, Organizing Committee (Prof. Dr. M. Iqbal Choudhary) for this purpose.

## ACCOMMODATION

All plenary and invited speakers will be accommodated in the International Scholars Guest House of the ICCBS, which has excellent accommodation facilities.

## FOREIGN CURRENCY

Registration fee at the symposium desk can be paid in cash or through checks. Currency conversion to Pakistani Rupees will be available upon request.

## PAPERS/POSTERS

Abstracts for papers and posters must be in English, The poster board area will be 1.2 m x 1.8 m. Kindly send your abstracts to Prof. Dr. M. Iqbal Choudhary.

## PAKISTAN'S BASIC FACTS

Area:	8,03943 sq. km
Population	190 million
Capital:	Islamabad
<b>Provinces</b>	<b>Capital Cities</b>
Khyber Pakhtoonkhwah (KPK)	Peshawar
Punjab	Lahore
Sindh	Karachi
Balochistan	Quetta
Gilgit Baltistan	Gilgit
Azad Jammu & Kashmir (autonomous region)	Muzaffarabad

### Principal Cities:

Karachi, Lahore, Hyderabad, Peshawar, Sukkur, Quetta, Multan, Bahawalpur, Faisalabad, Sialkot, Gujranwala, Rawalpindi, Islamabad.

### Hill Resorts:

Murree, Nathiagali, Abbottabad, Kaghan.

## LANGUAGE

The official language of the conference will be English.

## ORGANIZING COMMITTEE

### Chairman

Prof. Dr. Atta-ur-Rahman, *FRS, N.I., H.I., S.I., T.I.*  
*Patron-in-Chief, ICCBS*

### Organizing Secretary

Prof. Dr. M. Iqbal Choudhary, *H.I., S.I., T.I.*  
*Director, ICCBS*

### Symposium Coordinator

Prof. Dr. Syed Ghulam Musharraf

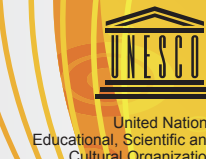
### Members

Prof. Dr. Viqar U. Ahmed, <i>H.I., S.I.</i>	Dr. Md. Hafizur Rahman	Dr. Mujeeb-ur-Rehman
Prof. Dr. Bina S. Siddiqui <i>S.I., T.I.</i>	Dr. Muhammad Imran Malik	Dr. M. Shoaib Malik
Prof. Dr. Shaheen Faizi, <i>S.I.</i>	Dr. Rizwana S. Waraich	Dr. Arslan Ali
Prof. Dr. Sabira Begum, <i>P.P.</i>	Dr. Achyut Adhikari	Dr. Sumaira Javed
Prof. Dr. Muhammad Shaiq Ali, <i>T.I.</i>	Dr. Hina Siddiqui	Dr. Maria A. Khan
Prof. Dr. Khalid M. Khan, <i>T.I., S.I.</i>	Dr. Reaz Uddin	Dr. Syeda Rehana Zia
Prof. Dr. Zafar Saied Saify	Dr. Ishtiaq Ahmed Khan	Dr. Asma Rauf
Prof. Dr. Fatima Basha, <i>S.I.</i>	Dr. Huma Aslam Bhatti	Mr. Muhammad Aurangzeb
Prof. Dr. Darakhshan J. Haleem	Dr. Abdul Hameed	Dr. Nagma Naz
Prof. Dr. Muhammad Iqbal Bhangar, <i>P.P.</i>	Dr. Syed Tarique Moin	Dr. Rana Zeeshan Haider
Prof. Dr. Muhammad Arfan	Dr. Humera Jahan	Dr. Salman Ahmed Khan
Prof. Dr. Farzana Shaheen	Dr. Sadia Ajaz	Dr. Syed Ali Raza Shah
Prof. Dr. Syed Abid Ali	Dr. Sobia Rana	Dr. Ambreena Khatoon
Prof. Dr. Muhammad Raza Shah, <i>T.I.</i>	Dr. Almas Jabeen	
Dr. Asmat Salim	Dr. Munazza Raza	<b>Management</b>
Dr. Shabana U. Simjee	Dr. Irfan Khan	Mr. Mahmood Alam
Dr. Zaheer-ul-haq Qasmi	Dr. Ghulam Mustafa	Mr. Raheel Baig
Dr. Maqsood A. Chotani	Dr. Ayaz Ahmad	Mr. Javed Riaz
Dr. Sammer Yousuf	Dr. Nagma Hashmi	Mr. Mahboob Alam
Dr. Shakil Ahmad	Dr. Saima Rasheed	
Dr. Atia-tul-Wahab	Dr. Mudassar	

## FOR CORRESPONDENCE

**PROF. DR. M. IQBAL CHOUDHARY**, *H.I., S.I., T.I.*

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# 14<sup>th</sup> International Symposium on Natural Product Chemistry

**November 6 - 8, 2018, Karachi, Pakistan**

Organized by

**H.E.J. RESEARCH INSTITUTE OF CHEMISTRY,  
INTERNATIONAL CENTER FOR CHEMICAL AND  
BIOLOGICAL SCIENCES (ICCS),  
UNIVERSITY OF KARACHI, KARACHI-75270, PAKISTAN**  
[www.iccs.edu](http://www.iccs.edu)

## INVITATION



It gives us an immense pleasure to invite you to attend the 14<sup>th</sup> International Symposium on Natural Product Chemistry (ISNPC-14) to be held in Karachi, Pakistan, from November 6 – 8, 2018.



Over 700 eminent scientists and young researchers from 45 countries are expected to participate in this symposium which is recognized as one of the most prestigious international events in the field of natural product sciences.

Pakistan is a fascinating country, full of vitality, cultural diversity, rich history, natural beauty and culinary delights. We hope the dynamic and magical spirit of Karachi city will be conducive to provide milieus, stimulating exchange of scientific knowledge between scientists in the field of chemical sciences from all over the world. It is also hoped that this meeting will foster stronger research ties between the scientists representing different regions.

On behalf of the organizing committee, we wish to extend you all, a very warm welcome to Karachi in November, 2018.

### PROF. DR. ATTA-UR-RAHMAN, FRS

*Nishan-i-Imtiaz, Hilal-i-Imtiaz, Sitara-i-Imtiaz, Tamgha-i-Imtiaz*  
Patron-in-Chief, ICCBS/  
Chairman, ISNPC-14

### PROF. DR. M. IQBAL CHOUDHARY

*Hilal-i-Imtiaz, Sitara-i-Imtiaz, Tamgha-i-Imtiaz*  
Director, ICCBS/  
Organizing Secretary, ISNPC-14

## VENUE

The symposium will be held at the beautiful campus of the International Center for Chemical and Biological Sciences (ICCBS) at the University of Karachi. The ICCBS campus is located at about 20 minutes drive from the Jinnah International Airport and about 40 minutes driving distance from the largest shopping area in the center of the city. Bank, post office, stores, restaurants, and travel agencies are also located within short distance of the symposium venue. Evening bus shuttles will run during the symposium for the scientists, staying on-campus, to take them to various shopping centers and other attractions in the city.

## SCOPE

The aim of the symposium is to bring together leading experts in the field of natural products sciences from all around the world and forge global partnerships for sustainable utilization of natural resources for the common benefit of humanity and rapid development of the countries in the south. Following aspects of natural product sciences will be covered:

- Isolation and structural elucidation of useful natural products
- Synthesis of natural products
- Pharmacology and bioassay evaluation on natural products
- Biotechnology for natural products development
- Advances in spectroscopic techniques for structure elucidation
- Rational drug designing
- Medicinal plants cultivation and conservation
- Chemistry of marine- and micro-organisms
- Chemical studies on natural products/herbal medicines
- Standardization, efficiency and safety of natural remedies

## AIMS AND OBJECTIVES

- It will serve as a platform for a large level of interactions of over 150 foreign scientists from some 75 countries with over 550 Pakistani scientists. This level of interaction is equivalent to hundreds of visits of Pakistani researchers to prominent institutions abroad.
- Most importantly this major event will expose Pakistani researchers with the best of science and technologies in the world in the exciting field of natural product chemistry and pharmacology, as well as contribution of natural products in modern drug discovery and development.
- The event will provide a life changing opportunity for hundreds of young Pakistani researchers to meet with most eminent scientists of the world and explore opportunities for trainings and study visits abroad.
- The event will provide a platform to exchange ideas, and develop research linkages and foster collaboration in the field of natural product sciences.

## REGISTRATION

The registration fee includes entry to scientific lectures, poster sessions, exhibition, full set of abstracts, a copy of the symposium program, daily refreshments (tea/coffee), symposium banquet, cultural

/musical evening, welcome mixer and free transportation from hotels and guest houses to the venue of the symposium.

Please note that accompanying persons can attend the welcome mixer, conference banquet and cultural/musical evening, but they may not attend any of the technical sessions.

Desk registration is also possible but accommodation and entry to social events will not be guaranteed.

In the case of cancellation before October 1, 2018, the fees will be refunded after a deduction of US\$ 100. No refund on cancellation will be made after this date. A 10% discount will be given to IUPAC members.

Registration Fees: (Foreign Participants)	Before Sept. 15, 2018 (U.S. \$)	After Sept. 15, 2018 (U.S. \$)
Private Organizations	300	350
Academic Faculty	250	300
Students	150	200
Accompanying Person	150	200

Registration Fees: (Pakistani Participants)	Before Sept. 15, 2018 (Rs.)	After Sept. 15, 2018 (Rs.)
Private Organizations	10,000	12,000
Academic Faculty	5,000	6,000
Students	2,000	3,000
Accompanying Person	2,000	3,000
Conference Proceeding	3,000	3,000

For further details, please visit the website: [www.iccs.edu](http://www.iccs.edu)

## TRAVEL

Karachi has a modern international airport, which provides connections to all major cities of the world. Most of the major airlines of the world have frequent flights to Karachi, since the city provides a major route linking with the Far East as well as with the Middle East, Europe, and USA. Pakistan International Airlines (PIA) is the national flag carrier. Your travel agent or any PIA office can provide you with full details on travel to Karachi.

## CLIMATE

Karachi is usually sunny and pleasant in November with average day temperature of 30°C and the night temperature falling to 21-26°C. Winters from November to February have chilly nights and bright sunny days with severe winter and snow in the Northern Areas.