



**ANNOUNCEMENT**

**38<sup>th</sup>**

**PAKISTAN CONGRESS OF ZOOLOGY  
(INTERNATIONAL)**

February 27 - March 1, **2018**



*To be held at*  
**Department of Zoology**  
**UNIVERSITY OF THE PUNJAB, LAHORE**



## GENERAL INFORMATION

The President of Zoological Society of Pakistan and the Congress Organizing Committee cordially invite the Fellows/Members of the Society and all other scientists interested in various disciplines of Zoological Sciences to take part in the 38<sup>th</sup> Pakistan Congress of Zoology to be held at the Department of Zoology, University of the Punjab, Lahore from **February 27 to March 1, 2018.**

## SCIENTIFIC PROGRAMME

The scientific programme will consist of plenary lectures and oral presentations. Theme of the Congress will cover all the major areas of Zoology and related disciplines e.g. Entomology and Pest Management; Cell Biology, Molecular Biology, Bioinformatics, Environmental Biotechnology, Bioremediation, Genetics, Toxicology, Parasitology; Microbiology, Physiology; Palaeontology, Environmental Biology, Wild Life Conservation; Fisheries, Freshwater Biology and Marine Biology.

Fifteen minutes will be allowed for presentation of paper and discussion. Multimedia will be available.

The participants are reminded that one author can submit only one abstract as a first author, which he/she will present during academic sessions.

**Last date for the receipt of registration forms and abstracts of papers is 1st January 2018.**

## ABSTRACTS

The participants are requested to submit abstracts of their research papers and poster presentations at email address [arshaksbs@yahoo.com](mailto:arshaksbs@yahoo.com) OR [arshakoori.sbs@pu.edu.pk](mailto:arshakoori.sbs@pu.edu.pk). The abstracts should include a brief introduction, methods used, main results and conclusions. References and figures should not be included in the Abstracts. Please do not forget including your name(s) and addresses, both email and postal.

## POSTER SESSION

Poster session, as usual, has been arranged specially for the younger scientists. A committee will review the posters and adjudge the first, second and third best posters. The authors of these posters will be given a small cash prize along with an appreciation certificates at the Closing Ceremony.

Participants desirous of presenting posters must, however, register themselves for the congress and submit a short summary by January 1, 2018.

## UNIVERSITY OF THE PUNJAB, LAHORE

The University of the Punjab was given its initial impetus by Wood's despatch in 1854. Gottlieb Wilhelm Leitner was the founder of the university. The University of the Punjab is divided into several campuses across Punjab with one summer campus located in Khyber Pakhtunkhwa.

Allama Iqbal Campus: also known as the old campus, located in the centre of Lahore, it is named after the great South Asian thinker and mystic poet Allama Muhammad Iqbal. The campus houses the Senate, the Syndicate, the Selection Board and the Advanced Studies & Research Board are generally held there. Quaid-i-Azam Campus: also known as the new campus, it is named after the founder of Pakistan and is located 12 kilometres (7.5 mi) to the south of the Allama Iqbal Campus. Spread over an area of 1,700 acres (7 km<sup>2</sup>) of lush green landscape this campus is the centre of academic and administrative activities of the university. A canal divides the academic blocks from the student lodgings. Gujranwala Campus: the faculties of Commerce, Economics and Management Sciences, Law and Science all conduct teaching in the campus. Khanspur Campus: the summer campus is located at a height of about 7,000 ft (2,100 m) in the Himalayan range near Ayubia. This campus, in addition to providing research facilities, is also used as a recreational center for the faculty and the students. Jhelum Campus: having recently opened in 2012, [citation needed] it offers studies relating to the faculties of Commerce, Economics and Management Sciences, Law and Science. There are 13 faculties in the University with 10 constituent colleges, over 73 departments, centres, and institutes. It has over 808 permanent faculty members involved in teaching/research and over 36,000 on campus students. Punjab University Library is one of the largest libraries among the universities of Pakistan. The library has more than 500,000 collection of books, magazines and periodicals. This collection is in nine different national and international languages and different types as print material, CDs, DVDs, Microfilms, Microfiches, Video and Audio Cassettes and Manuscripts.

## **GOLD MEDALS FOR STUDENTS**

- The 25th **Mujib Memorial Gold Medal** will be awarded to a student of Karachi University, standing first in the recent M.Sc. Zoology examination, with specialization in Parasitology.
- The 25th **Muzaffer Ahmad Gold Medal** will be awarded to a student of the Punjab University, standing first in the recent M.Sc. Zoology examination.
- The 21st **Muhammad Afzal Hussain Qadri Memorial Gold Medal** will be awarded to M.Sc. Zoology student of University of Karachi securing first position.
- The eighteenth **M.A.H. Qadri Memorial Gold Medal** will be awarded to a student of Karachi University, securing Ph.D. Zoology degree in Parasitology.
- The thirteenth **Ahmed Mohiuddin Memorial Gold Medal** will be awarded to a student of University of Sindh, Jamshoro, standing first in the recent M.Sc. Zoology examination.
- The fourteenth **Prof. Dr. S.N.H. Naqvi Gold Medal** will be awarded to successful Ph.D. Zoology specializing in the field of Toxicology from University of Karachi.
- The tenth **Afsar Mian Gold Medal** will be awarded to a student of University of Arid Agriculture, Rawalpindi standing first in the recent M.Sc. Zoology examination.
- The fifth **Prof. Dr. S.S. Akbar Memorial Gold Medal** will be awarded to M.Sc. Zoology (Entomology) student of Sindh University, Jamshoro securing first position.
- The second **Prof. Dr. Syed Iftikhar Hussain Jafri Memorial Gold Medal** will be awarded to M.Sc. In Fisheries and Freshwater Biology graduating from University of Sindh, Jamshoro.
- The second **Prof. Dr. Muhammad Ali Shah Gold Medal** will be awarded to M.Sc. Zoology, graduating from Government College University, Faisalabad.

These medals will be conferred during the inaugural session of the Congress.

## **ZOOLOGIST OF THE YEAR AWARD 2018**

The Zoological Society of Pakistan honours its Fellows for their scientific contributions to the discipline of Zoology. A committee specially constituted for this purpose will this year select an outstanding Zoologist out of the nominees. Award giving ceremony will be held during the inaugural session of 38<sup>th</sup> Pakistan Congress of Zoology. Citation of the award will also be read before conferring the medal alongwith a commendation certificate and a token cash award.

### **PROF. A.R. SHAKOORI GOLD MEDAL**

The fourteenth **Professor A.R. Shakoori Gold Medal** will be given to a young researcher upto the age of 45 in any area of Biological Sciences. A specially constituted committee will scrutinize the applications received in response to an advertisement. The medal will be conferred during the inaugural session of 38<sup>th</sup> Pakistan Congress of Zoology.

### **PROF. DR. MIRZA AZHAR BEG GOLD MEDAL**

The fifteenth **Prof. Dr. Mirza Azhar Beg Gold Medal** will be given to a young researcher upto the age of 45 in Ecology / Wildlife / Vertebrate Pest Management / Taxonomy / Fisheries. A specially constituted committee will scrutinize the applications received in response to an advertisement. The medal will be conferred during the inaugural session of 38<sup>th</sup> Pakistan Congress of Zoology.

### **PROF. IMTIAZ AHMED GOLD MEDAL**

The fourth **Prof. Dr. Imtiaz Ahmed Gold Medal** will be given to researcher in the field of Entomological Sciences. A specially constituted committee will scrutinize the applications received in response to an advertisement. The medal will be conferred during the inaugural session of 38<sup>th</sup> Pakistan Congress of Zoology.

### **PROF. DR. NASIMA M. TIRMIZI GOLD MEDAL**

The eleventh **Prof. Dr. Nasima M. Tirmizi Gold Medal** will be given to a researcher in the field of Marine Sciences. A specially constituted committee will scrutinize the applications received in response to an advertisement. The medal will be conferred during the inaugural session of 38<sup>th</sup> Pakistan Congress of Zoology.

### **DR. ABDUL ALEEM CHAUDHARY GOLD MEDAL**

The first **Dr. Abdul Aleem Chaudhary Gold Medal** will be given to a researcher in the field of Wildlife Management and Conservation. A specially constituted committee will scrutinize the applications received in response to an advertisement. The medal will be conferred during the inaugural session of 38<sup>th</sup> Pakistan Congress of Zoology.

## ACCOMMODATION

The participants are requested to register for accommodation well in time. The details of the type of accommodation and the ancillary facilities would be available at Lahore secretariate. The participants should also inform the secretariate at University of the Punjab, Lahore about the details of their arrival in Lahore, so that proper arrangements for their transport from the Railway Station/Air Port/Bus Terminals to the University Campus could be made.

## MEALS

The participants will make their own arrangements for breakfast during the Congress days. They may also have to pay for the meals (lunches & dinners) if these are not sponsored.

## INSTRUCTIONS FOR POSTER PRESENTATIONS

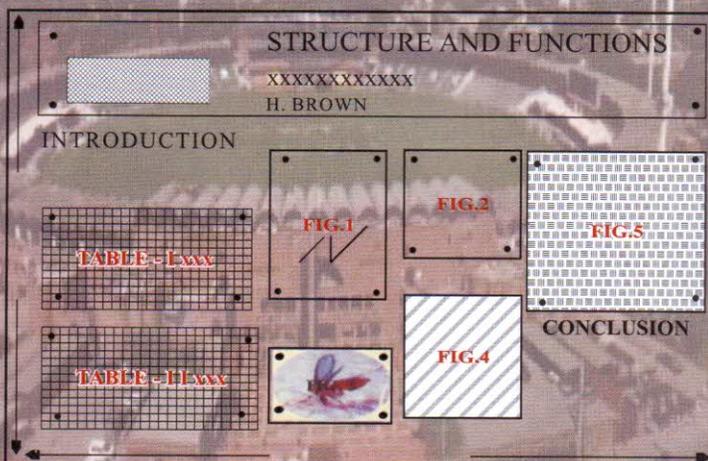
Abstracts scheduled for presentation in poster sessions will be grouped by topic, numbered and listed in the programme, and published in the abstract book in the usual manner. In addition, programme listings will specify time when your colleagues may expect you to be at your assigned space to discuss your work.

Mount posters on your assigned board in the evening of February 26, 2018, *i.e.* one day before the scientific sessions of the Congress. Posters should be in place during the full congress period.

The poster board surface is 3'8" high and 5'6" wide. Prepare the top of your poster space with a label indicating its title and authors. The lettering for this section should not be less than 1" high. A copy of your abstract typed in large font, should be posted in the upper left-hand corner of the poster board.

All illustrations should be made before hand. Keep in mind that your illustrations must be read by interested scientists from distances of about 3' or more. Charts, drawings and illustrations might well be similar to those you would otherwise use in making slides; preferably cruder and more heavily drawn. They need not, in fact should not, be "arty." Simple use of color can add emphasis effectively. Do not mount them on heavy board because these may be difficult to keep in position on the poster boards. Hand lettered material should contain appropriately heavy lettering at least 3/8" high. Shade block letters where possible. Typed material should be typed on a Bulletin (large type) typewriter, if possible. Keep illustrative material simple.

**Bring your own push-pins or thumbtacks.**



## CONGRESS ORGANIZING COMMITTEE

Prof. Dr. A.R. Shakoori  
Prof. Dr. Muhammad Ali  
Prof. Dr. Imtiaz Ahmad  
Prof. Dr. Naeem Tariq Narejo  
Mr. Abdul Aziz Khan  
Prof. Dr. Syed Shahid Ali  
Prof. Dr. Javed Iqbal Qazi  
Prof. Syed Akram Shah  
Prof. Dr. M. Saeed Wagan  
Prof. Dr. Mushtaq A. Saleem  
Prof. Dr. M. Naeem Khan  
Dr. Farah Rauf Shakoori  
Dr. Abdul Rehman  
Dr. Abdul Aleem Chaudhary  
Dr. Bushra Muneer  
Dr. Ali Muhammad Yousafzai

Prof. Dr. M. Naeem Khan  
Prof. Dr. Afsar Mian  
Prof. Dr. M. Afzal Kazmi  
Prof. Dr. M.H. Qazi  
Dr. Abid Farid  
Prof. Dr. Rubina Mushtaq  
Prof. Dr. Asmatullah Kakar  
Dr. Riffat Sultana  
Dr. Nuzhat Shafi  
Prof. Dr. Khalil Ahmad  
Dr. Akbar Ali Khan  
Prof. Dr. Fazle-Majid Khan  
Dr. Hafiz Muhammad Tahir  
Dr. Muhammad Arshad  
Prof. Dr. Muhammad Saeed Akhtar  
Prof. Dr. Muhammad Akhtar

Prof. Dr. Gary S. Stein, USA  
Prof. Dr. Peter Wynn, Australia  
Prof. Dr. Gao Xingyi, China  
Prof. Dr. Shamshad H. Gilani, USA  
Prof. Dr. Andre van Wijnen, USA  
Prof. Dr. Daniel Hoessli, Switzerland  
Prof. Dr. Amjad Javed, Alabama, USA  
Prof. Dr. Paolo Madoni, Italy  
Prof. Dr. George Iliopoulos, Greece

## LOCAL ORGANIZING COMMITTEE

### PATRON IN CHIEF

**Prof. Dr. Muhammad Zakria Zakar**  
**(Vice-Chancellor, Chief Organizer)**  
**University of the Punjab**

**Prof. Dr. Muhammad Naeem Khan**  
Dean, Faculty of Life Sciences, PU

**Focal Person: Prof. Dr. Javed Iqbal Qazi**  
Chairman, Department of Zoology, PU

Prof. Dr. Anjum Nasim Sabri  
Prof. Dr. Firdaus - e - Bareen  
Dr. Muhammad Khalid Khan  
Mr. Muhammad Sharif Rao  
Ch. Zafar Iqbal  
Mr. Shahid Mahmood Gul  
Mr. Iftikhar Ahmad Chaudhary  
Mr. Malik Muhammad Zaheer  
Dr. Asmatullah  
Dr. Muhammad Shafique Ahmad  
Dr. Zafar Iqbal

Dr. Nabila Roohi  
Dr. Abida Butt  
Dr. Farah Rauf Shakoori  
Dr. Zulfqar Ali  
Dr. Nadeem Sheikh  
Dr. Najma Shaheen  
Dr. Nasreen Muzaffar  
Dr. Ayesha Aihetasham  
Dr. Abdul Majid Khan  
Dr. Muhammad Akbar Khan  
Dr. Abdul Rehman

Dr. Zulfqar Ali Saqib  
Dr. Chaman Ara  
Dr. Hafiz Abdullah Shakir  
Dr. Muhammad Khan  
Dr. Beenish Zahid  
Dr. Qurat-ul-Ain Ahmad  
Mr. Haider Ali  
Mr. Qadeer Ahmad  
Mr. Fakhar Mahmood Shahid



## **DEPARTMENT OF ZOOLOGY, UNIVERSITY OF THE PUNJAB**

The Punjab University Department of Zoology was established in 1921. It was then housed in the laboratories of the Government College, Lahore. In 1963, the Punjab University shifted its Zoology Department to its New Campus, now called Quaid-i-Azam Campus. The Department of Zoology, a discipline of natural sciences, meets the need of training persons in a vast basic and interdisciplinary framework concerning Animal Sciences. The Department has earned international recognition for academic excellence and prominence in various fields of research like Cell, Molecular Biology, Physiology, Developmental Biology, Entomology, Palaeontology, Parasitology, Microbial Biotechnology and Fisheries, etc. A Zoology graduate after Master's degree or BS 4 years has a diverse experience and competence to serve or learn further in education, health, agriculture, industry and environment sectors. The main degree programs in the department include M.Sc., BS (4 years program), MS/M.Phil (2 years program), Ph.D. (Regular program and In-service program). Besides, M.Sc. and M.S./M.Phil (Evening) programs are also introduced to meet the increasing demand of graduates in life sciences. The Department has excellent record in research component, particularly, in Ph.D. program. The students of BS, M.Sc. and M.S. do research work as a part of the requirements for the fulfillment of the degree. The students are registered for the degree of Ph.D. under regular Ph.D. program as well as In-service program. The training of a graduate at Zoology Department may be compared with a cross road, which leads to pathways to diverse destinations, a Zoology graduate can join and further excel in diverse professions. The graduates have options to adopt the following professions: a) Teaching in Universities/Colleges/Higher Secondary Schools, b) Researchers at numerous public/private sector research organizations such as Pakistan Agriculture Research Council, life sciences based institutes of Pakistan Atomic Energy Commission etc., c) Researchers-cum-administrator in public/private sector such as Provincial Fisheries Departments, Health Departments, Livestock Departments and Pest Control industry etc.

### **SECRETARIAT**

**Prof. Dr. Javed Iqbal Qazi**

Chairman, Department of Zoology, University of the Punjab, Lahore

Phone: Off: 042-4304692, Cell 0333-4344830.

E-mail: qazi.zool@pu.edu.pk / zoologydepartment.pu@gmail.com

### **Accommodation Committee**

Dr. Zafar Iqbal (0302-4304692), Dr. Najma Shaheen (0332-4421089),

Dr. Muhammad Akbar Khan (0345-4387924), Dr. Muhammad Adeeb Babar (0333-6697293)

### **Transport Committee**

Dr. Zulfiqar Ali (0300-4401535), Dr. Abdul Majid Khan (0300-4328937)

**Contact No. for information:** 0302-4304692, 0300-4401535, 0333-4053953,  
0300-8014375, 0322-4035654

**Please return the Registration Form along with the Registration fee and Abstract(s) by 1st January 2018 to:**

**Prof. Dr. A.R. Shakoori**

Distinguished National Professor & Director

School of Biological Sciences

University of the Punjab, Lahore-54590

Phone: 92-42-99230133 - Fax: 92-42-99230980

E-mail: arshaksbs@yahoo.com; arshakoori.sbs@pu.edu.pk

**Important Phone Numbers at ZSP Office, Lahore**

Dr. Abdul Rehman : 0306-4118045 ; Dr. Zulfiqar Ali Saqib : 0333-4252698

Mr. Haider Ali : 0346-4335813 ; Mr. Qadeer Ahmad: 0321-4072709,

Mr. Fakhar Mahmood Shahid : 0300-9434208