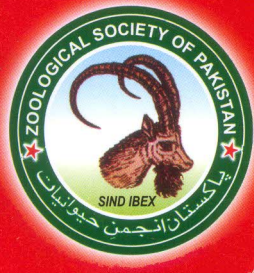


**ANNOUNCEMENT**

**37<sup>th</sup>**

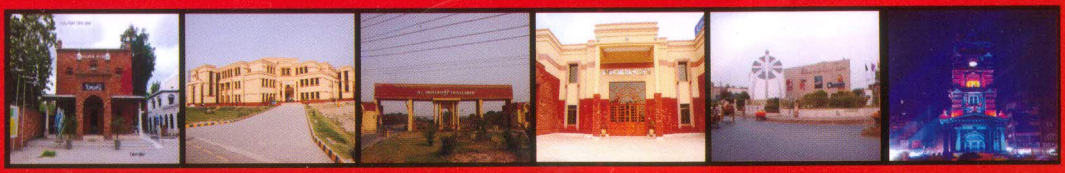
**PAKISTAN CONGRESS OF ZOOLOGY  
(INTERNATIONAL)**

February 28 - March 2, **2017**



*To be held at*

**GC UNIVERSITY, FAISALABAD**



## 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 37<sup>th</sup> Pakistan Congress of Zoology to be held at the Department of Zoology, GC University, Faisalabad from **February 28 to March 2, 2017**.

## 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 2017.**

## ABSTRACTS

The participants are requested to submit abstracts of their research papers and poster presentations at email address arshaksbs@yahoo.com OR 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, 2017.

## GC UNIVERSITY, FAISALABAD

The Government College University's journey started as a primary school in 1897 in the present building of Govt. College for Women, Karkhana Bazar, Faisalabad. It was promoted to High School and Intermediate College in 1905 and 1924 respectively. It was elevated to the degree level in 1933 and postgraduate disciplines were introduced in 1963. The long journey that started with the humble beginning reached its climax when it was granted the status of University in October 2002. The university is situated at the Jhang Road not far from the historical Clock Tower. The main campus is spread on 37 acres and the construction of new campus has been started on an area of 200 acres some 3-4 kilometers away from the main campus at Jhang Road. This university has main campus in the heart of Faisalabad city and four sub campuses (Civil Line Campus, Jhang road Campus (New Campus) Layyah campus, Sahiwal Campus). University has seven faculties and 43 Departments. The Sub Campuses are established to make higher education more accessible to students belonging to remote areas. The Government college University has 12 Directorates. Its education system is annual/Semester/Distance Learning and weekend Programs. This University has affiliation with over 55 Graduates and Post Graduate public sector colleges and 81 private colleges. This University offers BS 4 year and Master, M. Phil and PhD programs in all subjects. GC University also provide evening program, Weekend program and Distance learning in various disciplines at graduate and post graduate level. University is offering PhD (21 disciplines) M. Phil (49 disciplines) Masters (50 disciplines) BS (50 disciplines) and associate degrees & diplomas in 19 disciplines. University honours 684 faculty members out of which 270 are PhD. Non Teaching staff is 950 and the total strength of students is 42000. University has Main Library, HEC digital Library, and GCUF digital book bank. University has established National & International Linkages with more than 45 collaborating partners. The University is a hub of educational, social and cultural activities with a close liaison with industry.

## **GOLD MEDALS FOR STUDENTS**

- The 24th **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 24th **Muzaffer Ahmad Gold Medal** will be awarded to a student of the Punjab University, standing first in the recent M.Sc. Zoology examination.
- The twentieth **Muhammad Afzal Hussain Qadri Memorial Gold Medal** will be awarded to M.Sc. Zoology student of University of Karachi securing first position.
- The seventeenth **M.A.H. Qadri Memorial Gold Medal** will be awarded to a student of Karachi University, securing Ph.D. Zoology degree in Parasitology.
- The twelfth **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 thirteenth **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 ninth **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 fourth **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 first **Prof. Dr. Syed Iftikhar Hussain Jafri Gold Medal** will be awarded to M.Sc. In Fisheries and Freshwater Biology graduating from University of Sindh, Jamshoro.
- The first **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 2017**

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 37<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 thirteenth **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 37<sup>th</sup> Pakistan Congress of Zoology.

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

The fourteenth **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 37<sup>th</sup> Pakistan Congress of Zoology.

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

The third **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 37<sup>th</sup> Pakistan Congress of Zoology .

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

The tenth **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 37<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 Faisalabad secretariate. The participants should also inform the secretariat at GCU Faisalabad about the details of their arrival in Faisalabad, 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

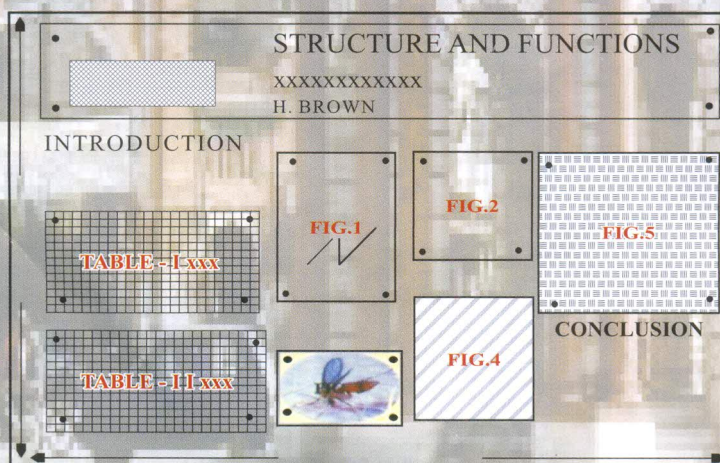
Abstracts scheduled for presentation in poster sessions will be grouped by topic, numbered and listed in the programme, and published in the abstract book in the usual manner. In addition, programme listings will specify time when your colleagues may expect you to be at your assigned space to discuss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

Mount posters on your assigned board in the evening of February 27, 2017, *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 EXECUTIVE COMMITTEE

Prof. Dr. Syed Shahid Ali  
Prof. Dr. Javed Iqbal Qazi

Dr. Abdul Rehman  
Dr. Zulfiqar Ali Saqib

## CONGRESS ORGANIZING COMMITTEE

Prof. Dr. A.R. Shakoori  
Prof. Dr. Muzaffer Ahmad  
Mr. Abdul Aziz Khan  
Prof. Dr. Syed Shahid Ali  
Prof. Dr. Javed Iqbal Qazi  
Prof. Syed Akram Shah  
Prof. Dr. Nasreen Memon  
Prof. Dr. Shamsuddin Shaikh  
Prof. Dr. M. Akhtar  
Prof. Dr. Mushtaq A. Saleem  
Dr. Farah Rauf Shakoori  
Dr. Abdul Rehman  
Dr. Zulfiqar Ali Saqib

Prof. Dr. Muhammad Ashraf  
Dr. Abdul Aleem Chaudhary  
Dr. Bushra Munir  
Dr. Ali Muhammad Yousafzai  
Prof. Imtiaz Ahmad  
Prof. Dr. Afsar Mian  
Prof. Dr. M. Afzal Kazmi  
Prof. Dr. M.H. Qazi  
Dr. Abid Farid  
Dr. Rubina Mushtaq  
Dr. Asmatullah Kakar

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

## LOCAL ORGANIZING COMMITTEE

### PATRON IN CHIEF

**Prof. Dr. Muhammad Ali (T.I)**  
**(Vice-Chancellor, Chief Organizer)**

**Patron:** Prof. Dr. Muhammad Zuber, Faculty of Science and Technology  
**Focal Person & Secretary:** Dr. Farhat Jabeen, Chairperson, Department of Zoology  
**Coordinator accommodation:** Dr. Tayyaba Sultana, Assoc. Prof. Department of Zoology

Dr. Tayyaba Sultana  
Dr. Salma Sultana  
Mr. Muhammad Sarwar  
Dr. Laeeq Ahmed  
Dr. M. Kashif Zahoor  
Dr. Asma Ashraf  
Dr. M. Samee Mubarik  
Dr. Fatima Jalal  
Dr. Farkhanda Asad  
Dr. Sajid Yaqub Qureshi  
Dr. Javaria Altaf

Dr. Sy. Makhdoom Hussain  
Dr. Shabab Nasir  
Dr. Bilal Rasool  
Dr. Khizar Sami Ullah  
Dr. Shabana Parvez  
Dr. Azhar Rafique  
Dr. Tayyaba Ali  
Dr. Muhammad Asrar Ch.  
Dr. Amna Sajjad

Dr. Shahzad Ahmad  
Dr. Inayat Ullah  
Dr. M. Waseem Saleem  
Dr. Faiza Jabeen  
Dr. Bilal Hussain  
Mr. Zahid Iqbal  
Dr. Abdul Rehman  
Dr. Zulfiqar Ali Saqib  
Mr. Amjad Ali  
Mr. Haider Ali  
Mr. Qadeer Ahmad

## **DEPARTMENT OF ZOOLOGY, GC UNIVERSITY**

The host Department of Zoology was established in 1990 for the teaching of graduate and post graduate courses affiliated with University of the Punjab Lahore, took a mature turn after the upgradation of Govt. College Faisalabad as Government College University, Faisalabad in 2002. Launching of M.Phil, Ph.D and Honors programs added to its status and it emerged out one of the academically richest Department not only of the University but also of the province. The high profile motivated faculty loaded with initiative and drive is key strength of the Department. The fully equipped laboratories, well-furnished class rooms and update spacious library provide the best possible facilities to the students in their academic pursuits. All the faculty members under the dynamic leadership of Dr. Farhat Jabeen are striving hard and exercising their potentialities to the maximum extent focusing the activity based learning. The vision of Department is striving to come up to national/international standards and significance. This objective is being achieved through different academic programs starting from BS (Hons), M.Sc., M.Phil./MS to Ph.D in Zoology with the help of highly qualified and experienced teaching staff. The Department has so far produced 15 PhD and 160 M.Phil students and present enrollment of the Department is about 963 students including BS (M+E), M.Sc (M+E+weekend), M.Phil (E+weekend) and PhD regular students. The Department has one of the most highly trained faculties comprising 04 Associate Professor, 21 Assistant Professor and 01 Lecturer. Department has well developed Seminar Room where audio visual aids are used to improve teaching methods and research. The Department has well established Library with 2300 books from old valuable edition to latest edition covering all aspects of Zoology. Department is disseminating specialized knowledge in the following fields: Fisheries, Biotechnology, Cell Biology, Vertebrate Paleontology, Molecular Biology, Genetics/Human, Molecular Genetics, Biochemistry, Ecology, Wild Life, Mammology, Ornithology, Entomology, Forensic Science, Taxonomy and Control of Vertebrate Pest

### **SECRETARIAT**

**Dr. Farhat Jabeen**

Chairperson, Department of Zoology, Government College University, Faisalabad

Phone: Off: 041-9201206, Cell 0301-3958518

E-mail: zoocongress2017@gmail.com

Dr. Tayyaba Sultana, Dr. Salma Sultana, Dr. Muhammad Kashif Zahoor,

Dr. Muhammad Samee Mubarik, Dr. Syed Makhdoom Hussain

**Contact No. for information:** 0300-6624571, 0300-6627246, 0301-3958518, 0321-7480502

**Please return the Registration Form along with the Registration fee and Abstract(s) by 1st January 2017 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**

Prof. Dr. S. Shahid Ali : 0320-4001990 ; Prof. Dr. Javed I. Qazi : 0333-4344830

Dr. Abdul Rehman : 0306-4118045 ; Dr. Zulfiqar Ali Saqib : 0333-4252693

Mr. Haider Ali : 0346-4335813 ; Mr. Amjad Ali : 0300-4291758

**37<sup>th</sup> PAKISTAN CONGRESS OF ZOOLOGY  
(INTERNATIONAL)  
February 28 – March 2, 2017  
Department of Zoology, Govt. College University,  
Faisalabad.**



**REGISTRATION FORM  
FOR FOREIGN PARTICIPANTS**

I wish to register for the 37<sup>th</sup> Pakistan Congress of Zoology. A **Bank Draft**, in favour of Treasurer, Pakistan Congress of Zoology for US \$ 500/- as registration fee, is enclosed.

1. Name \_\_\_\_\_
2. Position \_\_\_\_\_
3. Institute \_\_\_\_\_
4. Name(s) of accompanying members (Give age, if under 12 years) \_\_\_\_\_  
\_\_\_\_\_
5. Address \_\_\_\_\_  
\_\_\_\_\_
6. Phones: Res: \_\_\_\_\_ Off: \_\_\_\_\_
7. E-mail: \_\_\_\_\_
8. The rates of registration are as follows. Please check appropriate box  
Participant US \$ 500 [ ]  
Spouse US \$ 250 [ ]

I remit the total amount of US \$ \_\_\_\_\_ by Draft (No: \_\_\_\_\_) to Treasurer, Pakistan Congress of Zoology, Department of Zoology, University of the Punjab, New Campus, Lahore. (PLEASE ADD US \$ 10/- TO THE TOTAL AMOUNT, IN CASE YOU DECIDE TO WRITE A CHEQUE).

9. Title of paper \_\_\_\_\_  
\_\_\_\_\_
10. Subject Classification \_\_\_\_\_  
(Please see the major disciplines of Zoology listed under scientific programme).
11. Would you make your own arrangement for stay during the Congress?  
Yes [ ] No [ ]

Signed: \_\_\_\_\_ Dated: \_\_\_\_\_

**37<sup>th</sup> PAKISTAN CONGRESS OF ZOOLOGY  
(INTERNATIONAL)  
February 28 – March 2, 2017  
Department of Zoology, Govt. College University,  
Faisalabad.**



**REGISTRATION FORM**

**FOR LOCAL PARTICIPANTS**

I wish to register for the 37<sup>th</sup> Pakistan Congress of Zoology. A **BANK DRAFT**, in favour of Treasurer, Pakistan Congress of Zoology for Rs. \_\_\_\_\_ as registration fee, is enclosed.

1. Name \_\_\_\_\_
2. Position \_\_\_\_\_
3. Institute \_\_\_\_\_
4. Name(s) of accompanying members (Give age, if under 12 years) \_\_\_\_\_  
\_\_\_\_\_
5. Address \_\_\_\_\_  
\_\_\_\_\_
6. Phones: Res: \_\_\_\_\_ Off: \_\_\_\_\_

7. E-mail: \_\_\_\_\_

**8. The rates of registration are as follows. Please check appropriate box**

ZSP Life Fellows and Fellows	Rs. 3000	[ ]
Non-Fellows	Rs. 3500	[ ]
Students (B.Sc. Hons, M.Sc., M.Phil, Ph.D.)	Rs. 2500	[ ]
Spouse or accompanying person	Rs. 2500	[ ]
Certificate of Congress participation fee	Rs. 100	[ ]
Certificate for oral presentation fee	Rs. 100	[ ]
Certificate for active participation	Rs. 100	[ ]

I remit the an amount of Rs. \_\_\_\_\_ by **DRAFT (NO: \_\_\_\_\_)** to Treasurer, Pakistan Congress of Zoology, Department of Zoology, University of the Punjab, New Campus, Lahore. **(PLEASE ADD RS. 350/- TO THE TOTAL AMOUNT, IN CASE YOU DECIDE TO WRITE A CHEQUE).**

9. Title of paper \_\_\_\_\_  
\_\_\_\_\_
10. Subject Classification \_\_\_\_\_  
(Please see the major disciplines of Zoology listed under scientific programme).
11. Would you make your own arrangement for stay during the Congress?  
Yes [ ] No [ ]

Signed: \_\_\_\_\_

Dated: \_\_\_\_\_