

## “Technological Innovations in Animal Science Research and Social Transformation”



Jointly organized by  
Department of Zoology, Utkal University  
and  
Zoological Society of Orissa, Bhubaneswar



(Date: 24-26 February, 2023)



### About the Conference

Animal Science focuses on all kinds of animals, big or small, and looks into their biology; the how and why behind their environments; as well as ways to sustain their lives alongside humankind. It also offers the opportunity to consider ways to face global challenges such as climate change, food security and human health, trying to find solutions to help both animals and humans alike. From the tactful observations of Aristotle, through the magnificent microscopes of Antonie van Leeuwenhoek and to the discoveries by Svante Pääbo concerning the genomes of extinct hominins and human evolution, Animal Science has made incredible impacts in the sustainability and transformation of the human society and of the living organisms over the years. All aspects of knowledge, from humanities to science, have focused the wellbeing of the humans and living organisms in general. Accordingly, a myriad of technological innovations has peeped into nano-details of underlying laws and mechanisms which have answered many Whys, What's and How's.

The present Conference aims to understand the past, present and future of technological innovations in animal science research and its possible role in transforming the society in future.

### Bhubaneswar and Utkal University

Bhubaneswar is an ancient city in India's eastern state of Odisha. Many temples built from sandstone are dotted around Bindu Sagar Lake in the old city, including the 11th-century Lingaraj Temple. The state museum is enriched with Jain antiques, weaponry and indigenous Pattachitra paintings. Other places of attraction include Caves of Khadagiri and Udayagiri, the peace pagoda Dhauli, Nandankan Zoological Park and Regional Museum of Natural History. The famous 13<sup>th</sup> century Sun temple at Konark and 12<sup>th</sup> century Jagannath temple at Puri, known for their architectural marvel, are around 60 km away from the city. The largest Asian brackish water lagoon Chilika, declared as a Ramsar site, is only 90 kms to the south of Bhubaneswar.

Utkal University, established in the year 1943, is the Mother University of the State and the 17<sup>th</sup> oldest university of the country. It is a teaching-cum-affiliating university and spreads over 399.9-acre area in the heart of Bhubaneswar.

### Department of Zoology

The Department of Zoology was born on 21st July, 1960 with Prof. B. K. Behura as the founder Professor at the historic Ravenshaw College (presently Ravenshaw University), Cuttack, Odisha. The Department was shifted to the Utkal University Campus on 12<sup>th</sup> July, 1973 and since then the Department has been imparting teaching and training students in various emerging areas of Zoology. Besides, the department has been recognized by UGC (DRS) and DST, Govt. of India (FIST, PURSE) for its contribution in the field of Zoological research. Notwithstanding the highs and lows during the 62 years of existence, the department has earned many laurels and made a name in Zoology in the national arena.

### Zoological Society of Orissa

**Zoological Society of Orissa (ZSO)**, established in 1958 (registered under Societies Registration Act of Odisha, 1860: Regd. No. 2174/1180 of 1963-64), is the Society for the Zoologists of the State. The Society, with its office at the Department of Zoology, Utkal University, Bhubaneswar, publishes a journal named "Pranikee" annually. It organizes National Seminars/Conferences/Workshops, etc. in collaboration with interested Colleges/Universities/Institutions, at least annually, along with its Annual General Body Meeting. The Zoologists of the State are encouraged to visit the website of the Society, [www.pranikee.org](http://www.pranikee.org) and become Life Members by paying the required fee of Rs. 1000.00 (Contact: Secretary, ZSO: Mobile No. 9438328039)

### Major Themes of the Conference

- Role of biological science in social transformation
- Advanced techniques in biological sciences
- Biodiversity conservation and economic sustainability
- Agricultural and applied entomology for social development
- Environmental alterations, climate change, global warming and future of animals
- Biotechnology, nanoscience and bioinformatics for a viable society
- Role of IT and media in animal science research

### Organizing Committee

#### Patron

**Prof. (Mrs.) Sabita Acharya**

Vice Chancellor, Utkal University, Odisha, India

#### Advisor

**Prof. Durga Shankar Pattnaik**

Chair Person, Post Graduate Council, Utkal University, Odisha, India

#### Convener

**Prof. (Mrs.) Pravati K. Mahapatra**

Department of Zoology, and  
Director, IQAC, Utkal University, Odisha, India

#### Co-Convener

**Dr. S. S. Nishank**

Department of Zoology, Utkal University, Odisha, India

#### Organizing Secretary

**Dr Gunanidhi Sahoo**

Head, Department of Zoology, Utkal University, Odisha, India  
and Secretary, ZSO

#### Joint Organizing Secretary

**Dr Sujogya Kumar Panda**

Centre for Environment, Climate Change & Public Health, RUSA,  
Utkal University, Odisha, India

#### Awards & Recognitions

**There shall be 03 best oral paper presentation awards and 03 best poster presentation awards separately for Master students and Research students**

## Registration Fee (INR)

| Category                     | On or before<br>15.02.2022 | On the spot |
|------------------------------|----------------------------|-------------|
| UG/PG students               | 500/-                      | 1000/-      |
| Research scholars            | 750/-                      | 1500/-      |
| Faculty, scientists & others | 1000/-                     | 2000/-      |

(Accommodation and others on payment basis, but to be facilitated by the organizers)

**Payment be transferred to the organizers through any online mode to the followings:**

Account name: SEMINAR WORKSHOP  
A/c 80162610001241, IFSC CNRB0018016  
Canara bank, Utkal University campus branch, Bhubaneswar

**All correspondence be made to**

**Prof. (Mrs.) Pravati K. Mahapatra**

Email: mahapatra.pk.zool@utkaluniversity.ac.in  
Contact No. 9437281982

**Dr Gunanidhi Sahoo**

Email: sahoogunanidhi.zool@utkaluniversity.ac.in  
Contact No. 9438328039

**Dr S. S. Nishank**

Email: nishankss.zool@utkaluniversity.ac.in  
Contact No. 9853535258

**Dr Sujogya Kumar Panda**

Email: sujogyapanda@utkaluniversity.ac.in  
Contact No. 9692145067

### International Advisory Committee

- Prof. Annemarie Ohler, National Museum of Natural History, France
- Prof. Walter Luyten, KU Leuven, Belgium
- Prof. Megha N. Parajulee, Texas A & M University, USA
- Prof. Luis Claudio Nascimento, Universidade Ceuma, Brazil
- Prof. Solveig Tosi, University of Pavia, Italy
- Padma Shri Prof. P Mohanty-Hejmadi, Former Vice Chancellor, Sambalpur University, India
- Prof. K. K. Sharma, Former Vice Chancellor, MDS University, Ajmer, India
- Prof. M. M. Chaturvedi, Delhi University, New Delhi, India
- Prof. R. N. K. Horoo, North-Eastern Hill University,

**Present UG/PG students desirous of becoming Life members of ZSO (Rs. 1000.00) shall be exempted from registration fees of the Conference**

### Call for papers & abstract submission

Abstract should be of maximum 300 words  
(TNR, 12 font size, 1.5 line spacing)

Last date of abstract submission: 10.02.2023

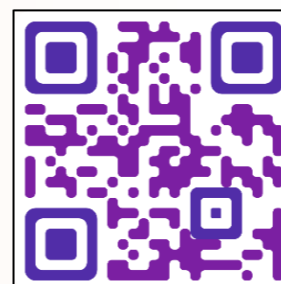
Email Id: tiasrst@gmail.com

Full length suitable papers shall be published in  
Pranikee: Journal Zoological Society of Orissa (ISSN no. 0970-4450) free of cost

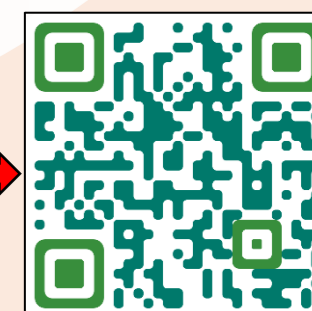
### INVITED SPEAKERS

| Name & designation       | Affiliated Institute   |
|--------------------------|--|
| Prof. Walter Luyten      | KU Leuven, Leuven, Belgium   |
| Prof. Megha N. Parajulee | Texas A & M University, Texas, USA   |
| Prof. Arun Kumar         | Indian Institute of Science, Bengaluru                                       |
| Prof. Kadarkarai Murugan | Bharathiar University, Coimbatore  |
| Prof. P. C Rath          | Department of Life Sciences<br>Jawaharlal Nehru University, New Delhi        |
| Dr B. K. Das             | Director, CIFRI, Barrackpore, West Bengal                                    |
| Dr. K. Vasudevan         | Director, LACONES, CCMB, Hyderabad   |
| Dr Aparup Das            | Director, ICMR-National Institute for Research in<br>Tribal Health, Jabalpur |
| Dr Renjith Mathews       | NISER, Bhubaneswar   |
| Dr Tahzeed Hussain       | Scientist, ICMR-RMRC, Bhubaneswar  |
| Prof. Banalata Mohanty   | Allahabad University, Prayagraj  |

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International Conference  
on

**“Technological Innovations in Animal Science Research and Social Transformation”**

(Date: 24-26 February 2023)

## REGISTRATION FORM

Name (In Capital) Dr/Mr/Ms.....  
..... Designation .....  
Organization/Institution .....  
Mailing Address ..... City .....  
Pin Code ..... Phone/Mobile/WhatsApp No .....  
Email Id .....  
Title of the Paper.....  
..... Oral/Poster .....

### Registration Fee:

Delegates (Professionals, Academicians, Industries and Organizations)

Registration : Rs. 1000/-

### Student Delegates

UG/PG Students : Rs. 500/-

Research Students : Rs. 750/-

### Payment details:

Details of online transaction

Amount Rs: .....(In words).....

Reference No. ....

Date ..... Bank & Branch .....

Date: ..... Signature: .....