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**All Correspondence should be addressed to
the Organising Secretary in the above email**

Call for Papers and Registration

Research papers related to the thematic areas are invited for oral/poster presentations in the technical sessions of the conference. Selected abstracts will be invited to submit a full paper for publication in **Pranikee - Journal of Zoological Society of Orissa**, a **UGC- CARE listed journal**. Registration and abstract submission should be done online on or before **20th August 2024** through following Google form link:

Payment details: Registration fees should be paid by online transaction. Bank details are as follows:

Bank Name: CANARA BANK

Account Name: Seminar Workshop

Account Number: 80162610001241

IFSC: CNRB0018016

A copy of the online transaction should also be attached with the Google form.

Early Bird Registration(on or before 20.08.2024)

Faculty/Research Personnel: Rs. 1000/-

Research Scholars: Rs. 700/-

U.G/P.G. Students: Rs. 500/-

Registration fees After 20.08.2024/Spot

Faculty/Research Personnel: Rs. 1200/-

Research Scholars: Rs. 800/-

U.G/P.G. Students: Rs. 600/-

Accommodation: Delegates are requested to make their own arrangement for stay during the Conference. However, limited accommodation arrangements can be made for delegates on payment basis and on request.

WB-OHEPEE Sponsored National Conference

on

Models and Methods in Animal Science Research

(29th & 30th August, 2024)

Venue:

M.K. C G Auditorium, Utkal University



Organized by:

**Department of Zoology
Utkal University**

&

**Zoological Society of Orissa
Bhubaneswar**



Models and Methods in Animal Science Research

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 have peeped into nano-details of underlying laws and mechanisms which have answered many Whys, Whats and Hows.

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.

Topics to be discussed:

1. Models organisms for translational research
2. Advanced techniques in biological sciences
3. Systems approach and analytical efficiency
4. Data analysis and Interpretation
5. Research ethics and Sustainability
6. Environmental alterations, Climate change, Global warming and future of animals
7. Nanoscience and Bioinformatics for a viable Society
8. Role of IT & Media in Animal Science Research



Future Outcomes of the Conference

The conference wishes to deliberate on the animal models and recent technologies aiming the overall wellbeing and sustainability of animals in general and humans in particular. Development of biopesticides, formulation of new drugs and therapeutic methods, development of affordable nutraceuticals, sustainable aquaculture and animal farming, pollution abatement, zero carbon strategy are some of the future avenues. There are several animal-based start-ups working successfully across India and elsewhere. Many highly educated technocrats and qualified persons are engaged in professions related to animals through high throughput technological facilities. This kind of technological developments, modern appliances and associated endeavours needs to be translated through dissemination of knowledge at the appropriate level. The proposed conference aims to provide a common platform for the students, researchers, professionals and other stakeholders so that the younger generation shall be inspired to become entrepreneurs.

Resource persons:

Sl. No.	Name & Designation	Affiliated Institute
1	Prof. P. C Rath	Professor, School of Life Sciences, Jawaharlal Nehru University, New Delhi
2	Prof. Arun Kumar	Indian Institute of Science, Bengaluru
3	Dr. K. Vasudevan	Director, LACONES, CCMB, Hyderabad
4	Dr Aparup Das	Director, ICMR-National Institute for Research in Tribal Health



Bhubaneswar and Utkal University

Bhubaneswar, the city of temples, is located in the Eastern part of India. The ancient and beautiful city is well-connected & contains a myriad of tourist attractions including the famous 13th century Sun temple at Konark and 12th century Jagannath temple at Puri, both around 60 km away. The largest Asian brackish water lagoon Chilika, a Ramsar site, is only 90 kms to the south of Bhubaneswar.

Utkal University (NAAC A⁺, NIRF – AIR 93) established in the year 1943, is the Mother University of the State, and the 17th 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, Utkal University <https://utkaluniversity.ac.in/departments/zoology/>

The Department of Zoology was born on 21st July 1960 with Prof. Basant Kumar 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 12th July 1973 and since then, the Department has been imparting teaching and training students and conducting research in various emerging areas of Zoology. In the meantime, the Department has grown 65 years old and has celebrated the Golden Jubilee in the year 2010. Notwithstanding the heights and lows during the last six decades, the Department has earned many laurels including two Padma Shris, and has made a name in Zoology in the national and international arena. The Department offers regular courses in M Sc, and Ph.D. in Zoology. Our faculty and students continue to contribute towards updating and upgrading the curriculum. This has resulted in achieving the DRS (UGC), FIST (DST), and PURSE (DST) status by the Department.

Zoological Society of Orissa (ZSO)

Zoological Society of Orissa, 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 has its office at the Department of Zoology, Utkal University, Bhubaneswar. The Society publishes a journal named "Pranikee", a UGC-CARE listed journal. It has also decided to organize 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 and become Life Members by paying the required fee of Rs 1000.00 only (Contact: Secretary, ZSO, Mobile no: 9438328039).