

### IMPORTANT DATES

Abstract Submission	11/12/2021
Abstract Acceptance	14/12/2021
Registration (Last Date)	16/12/2021

### REGISTRATION FEES

For Research Scholars	Rs. 500/-
For Faculty Members	Rs. 1000/-
Spot Registration Fee	Rs. 1500/-

### TRAVEL & ACCOMMODATION

Participants are required to make their own traveling arrangements. Limited accommodation is available in the University Guest House for the participants on payment basis. Prior intimation is required for assistance in booking accommodation.

### FOR FURTHER INFORMATION CONTACT

#### Organizing Secretary

**Prof. M. Madhavi**

Chairperson BoS

Cell : 9848569309

Department of Zoology  
University College of Science,  
Osmania University, Hyderabad

### JOINT ORGANIZING SECRETARIES

**Dr. J. Venkateshwara Rao**      **Dr. G. Sunitha Devi**  
7702355472                      9849898296

**Dr. A.V. Rajashekar**          **Dr. C. Srinivasulu**  
9908314124                      9346571981

#### Address for Correspondence

**Prof. S. Jithender Kumar Naik, Convener and Head,**  
Department of Zoology, University College of Science,  
Osmania University, Hyderabad, Telangana.  
Email: nsicazs21@gmail.com

**National Symposium on  
Innovative Challenges in Applied Aspects of  
Zoological Sciences (NSICAZS)  
18<sup>th</sup> & 19<sup>th</sup> December 2021  
Department of Zoology  
University College of Science  
Osmania University, Hyderabad, Telangana State.**

### Registration Form

Name:.....Age:.....

Designation:.....Gender:.....

Address:.....

.....Country:.....

Mobile number: ..... Email:.....

Title of the paper:.....

Mode of Presentation: Oral/Poster.....

Accommodation: Required (Y/N).....

### Details of the Registration Fee

DD No/ Online Transaction ID.....

Dated.....Bank.....

Place.....

Date .....

Signature

Fill this registration form and send it through email (scanned copy) or by speed post along with the requisite DD/Transaction Receipt before 16 December, 2021 to the Organizing Secretary, (NSICAZS21), Department of Zoology, Osmania University, Hyderabad-500 007, Telangana. Email:nsicazs21@gmail.com

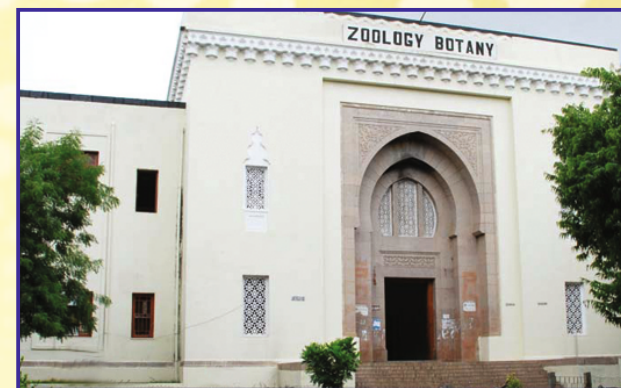


## National Symposium

on

## Innovative Challenges in Applied Aspects of Zoological Sciences (NSICAZS)

18<sup>th</sup> & 19<sup>th</sup> December 2021



Organized by

**Department of Zoology**

**University College of Science**

**Osmania University**

**Hyderabad, Telangana-500007**

## OSMANIA UNIVERISTY

The Osmania University (OU) was established in the year 1917, is the seventh oldest in India and the third oldest in South India, and has celebrated its centenary year in 2017-18. Osmania University has long and momentous history in both the pre - and post - Independence era. Osmania University reflects the national agenda for higher learning, education as well as the aspirations of its founder, Mir Osman Ali Khan, the 7<sup>th</sup> Nizam of Hyderabad. It is a multi-faculty and multidisciplinary university offering rich and varied courses in the fields of Humanities, Arts, Sciences, Social Sciences, Law, Engineering, Technology, Commerce and Business Management, Information Technology, and Oriental Languages. OU has achieved the highest rating (A+) by NAAC in 2017. In recognition to its continuous and sustained academic achievements, Osmania University has bestowed been with the coveted status of "University with Potential for Excellence (UPE)" by the University of Grants Commission, Govt. of India. OU has the rare distinction of having more than one crore strong alumni who have distinguished themselves nationally and internationally in various spheres of life and spread across globe. OU has contributed immensely to the academic, research, social, and economic development of the region and country at large and is now gearing up for the 21<sup>st</sup> century aspirations to meet the grand challenges in the higher education system. Recently, has been awarded support under RUSA 2.0 by MHRD, Govt. of India.

## DEPARTMENT OF ZOOLOGY

The Department of Zoology came into existence in 1924 with the introduction of teaching of Zoology in Intermediate course in the then Biology Department. In the subsequent nine decades of growth and expansion, the Department has diversified teaching and research to suit both recent advances and needs of the regional populace. Strong research sections emerged, in addition to the established teaching line, in the last few decades through funding from UGC, DBT, DST, MoEF & CC, CSIR, ICMR, ICAR, DoAE, SERB, and DRDO.

## MILESTONES ACHIEVED

1924 - Zoology teaching initiated in Intermediate.  
1929 - Zoology introduced in Graduation level.  
1934 - Natural History Museum established.  
1935 - P.G. Course in Zoology introduced with Fisheries as specialization.  
1949 - Research in Helminthology commenced.  
1952 - Research in Protozoology commenced.  
1957 - Research in Entomology commenced.  
1960 - Research in Phytonematology commenced.  
1967 - Research in Animal Physiology commenced.  
1976 - Research in Cell and Molecular research commenced.  
1976 - Research in Wildlife Biology commenced.  
1980 - Research in Environmental Biology commenced.  
1983 - Research in Neurobiology commenced.  
1999 - DRS Phase-I (Thrust areas: Neurobiology & Animal Physiology)  
2004 - DRS- SAP Phase II ; UGC-ASIST ; DST-FIST.  
2007 - Research in Molecular Taxonomy commenced.  
2010 - DRS-SAP Phase III.  
2015 - DSA-SAPII, Phase I (Thrust areas : Neurobiology & Systems Biology)  
2017 - Introduced Systems Biology and Research Methodology papers in M.Sc.

Today significant research contributions are being made in biochemistry and physiology of parasites, cell and molecular biology, immunology, neurobiology, fisheries, animal models, biodiversity, classical and molecular taxonomy, and DNA bar-coding. This complements the studies on vector biology, insect pest management, phytonematology, effect of stress on physiological functions. In recognition of the work done by the faculty, the department is recognized as potential center for conducting investigations in the area of fluorosis, diabetes related neuropathies, molecular taxonomy and barcoding, and as training center for challenges related to various tropical diseases.

## OBJECTIVE OF THE SYMPOSIUM

The objective of the Symposium is to bring the students, research scholars and scientists to a single platform for the exchange of ideas, expertise, and share their experiences in the diverse areas of zoology. The Symposium also aims to deliberate and discuss contemporary issues pertaining to classical as well as modern areas of zoological research and challenges ahead. It has now become a need of the hour to update and upgrade the contemporary research from cellular and molecular levels to organism level for the modern research. This Symposium offers participants a platform to present their research through Oral and Poster presentations in all thrust areas of Zoology, and ignite the young minds of researchers towards cutting edge knowledge.

## BROAD THRUST AREAS

The Symposium is aimed to invite the research contributions from the researchers in the form of abstract or full length paper submissions to the focal themes at cellular level, organism level and ecological level to cover broad thrust areas like:

- Neuroscience
- Toxicology
- Systems Biology
- Animal Biotechnology
- Animal Physiology
- Parasitology
- Healthcare
- Nematology
- Entomology (Agricultural & Medical)
- Helminthology
- Endocrinology
- Immunology
- Aquatic Biology
- Systemtics & Taxonomy
- Biodiversity Conservation
- Applied Zoology
- Wildlife Studies
- Climate Change

## Call for Papers

Interested participants are requested to submit their abstracts (should not be more than 200 words) & Full length paper (not more than 2000 words) with title, author (s) name and institutional affiliation in Times New Roman, font size 12 and in line spacing of 1.5 on or before 11-12-2021. Email Id: nsicazs21@gmail.com.

## Best Oral / Poster Presentation Awards

There will be one best oral & one poster presentation award and awarded for the best presentation during the Symposium.

## Organizing Committee

**Chief Patron**  
**Prof. D. Ravinder**  
**Vice-Chancellor**

Osmania University, Hyderabad

### Patrons

<b>Prof. P. Laxminarayana</b> <b>Registrar</b> Osmania University, Hyderabad	<b>Prof. B. Reddy Naik</b> <b>OSD to VC</b> Osmania University, Hyderabad	<b>Prof. A. Bala Kishan</b> <b>Dean, Faculty of Sciences</b> Osmania University, Hyderabad
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### Co-Patrons

<b>Prof. B. Veeraiha</b> <b>Principal</b> University College of Science Osmania University, Hyderabad	<b>Prof. G. Mallesham</b> <b>Dean of Development &amp; UGC Affairs</b> Osmania University, Hyderabad
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### Convener

**Prof. S. Jithender Kumar Naik**  
**Head**  
**Department of Zoology**  
University College of Science,  
Osmania University, Hyderabad

### Organizing Secretary

**Prof. M. Madhavi**  
**Chairperson BoS**  
**Department of Zoology**  
University College of Science,  
Osmania University, Hyderabad

### Joint Organizing Secretaries

<b>Dr. J. Venkateshwara Rao</b>	<b>Dr. A.V. Rajashekar</b>
<b>Dr. C. Srinivasulu</b>	<b>Dr. G. Sunitha Devi</b>

## ADVISORY COMMITTEE

**Prof. K. Pratap Reddy**, Osmania University  
**Prof. S J Rahman**, PJTSAU, Hyderabad.  
**Prof. K. David**, Karnataka University, Dharwad.  
**Prof. M. Ramachandra Mohan**, Bangalore Univesity, Bengaluru  
**Prof. P. Jacob Das**, S.V. University, Tirupathi.  
**Dr. P.V. Krishna**, Nagarjuna University, Guntur.  
**Prof. Vijaya Lakshmi Sharma**, Punjab University, Chandigarh.  
**Prof. K. Emmanuvel Rajan**, Bharathidasan University, Tiruchirapalli.  
**Dr. G. Umopathy**, Scientist, LaCONES, Hyderabad.  
**Prof. K Arun Kumar**, University of Hyderabad, Hyderabad.

## Registration Here

To Register please email your details Name, Mobile No, to the following email id: nsicazs21@gmail.com. or whatsapp no. 9848569309/7702355472 and there by we will send google form link to your email id and whatsapp's up Number. Once registered you will get details for making payment in due course of time. Only after registration payment is completed, your abstract & full paper will be processed for further consideration.