

### Call for Papers:

**Abstract :** Abstract of the research paper in not more than 300 words should be sent to the Director, National Seminar through e-mail [nsiatb@gmail.com](mailto:nsiatb@gmail.com). Hard copy not required. The abstract should be neatly typed in Ms Word, 1.5 line space, 12 size font in Times New Roman. Please note that the abstract should be typed in only one paragraph, No figures, no tables and no acknowledgment. The best Oral and Poster Presentations under each theme will be rewarded.

**Full Paper:** The full papers will be peer-reviewed by experts and all eligible papers will be published in the form of a book with ISBN No.

### Important Dates:

Last date for the submission of the Abstracts/ Paper : **26-01-2023**

Communication of Acceptance of the Abstract / Paper : **31-01-2023**

Last date for Registration Fee : **31.01.2023**

### Registration Fee :

Industry Representatives : **Rs. 2,500/-**

Faculty Fee : **Rs. 1,000/-**

Research Scholars : **Rs. 500/-**

Students : **Rs. 200/-**

Spot Registration : **Rs. 50/- Extra**

The Registration Fee may be paid as detailed below: The Director, National Seminar, Dept. of Zoology & Aquaculture, Union Bank Account No. 150811010000064, IFSC Code : UBIN0815080.

### Accommodation:

Hostel type accommodation will be provided at free of cost. Accommodation on payment basis is also available near to the University. Those who want to stay Individually can stay in hotels in Guntur or Vijayawada where accommodation costing Rs.1,500/- and above.

### Address for Correspondence:

**Prof. K. SUNITA**, M.Sc., Ph.D.

Director, NSIATB2023

Head, Department of Zoology & Aquaculture,

Acharya Nagarjuna University

Nagarjuna Nagar – 522 510, Guntur, A.P., India

Mobile No. : 8897951598, 9491546289

E-mail : [nsiatb2023@gmail.com](mailto:nsiatb2023@gmail.com)

UGC Sponsored  
National Seminar on  
**IMMUNOLOGY, AQUATIC  
TOXICOLOGY AND BIODIVERSITY**

**09<sup>th</sup> – 10<sup>th</sup> February, 2023**

## Registration Form

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Signature



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National Seminar on  
**IMMUNOLOGY, AQUATIC  
TOXICOLOGY AND  
BIODIVERSITY**

**09<sup>th</sup> – 10<sup>th</sup> February, 2023**



### Seminar Director

**Prof. K. SUNITA**

Head of the Department

&

Officer on Special Duty, ANU

### Organized by

Department of Zoology & Aquaculture

**Acharya Nagarjuna University**

Nagarjuna Nagar, 522510, Guntur, A.P., India

[www.anu.ac.in](http://www.anu.ac.in)

### Venue

Prof. L. Venugopal Reddy Seminar Hall

Dr. H. H. Deichmann & Dr. S. John David Auditorium

Acharya Nagarjuna University Campus



Acharya Nagarjuna University established in 1976. It was inaugurated by the former President of India Sri Fakhruddin Ali Ahmed. It has earned a great reputation for high level academic and research activities among Indian and Foreign Universities. The Department of Zoology & Aquaculture was established in the Year 1967. Ever since its inception the department is actively engaged in teaching, research and extension activities.

#### Scope of the Seminar:

The immune system offers protection against the environmental changes and the invasion of pathogens. The immune system composed of special cells, proteins, tissues and organs that protect against germs and microorganisms, is the body's defense against diseases. Individuals rely on active immunity more so than passive immunity. So active immunity created by our own immune system when we exposed to potential disease. In relation to this, immunostimulants have been extensively studied in fish species to reduce the risk of diseases. Extensive biomedical research has been done on animal models where mice share more than 98% DNA with human. Also susceptible to many of the same health problems as humans such as cancer, diabetes, heart diseases.

Aquatic toxicity is one of the major hurdles in production and yield of Aquatic organisms. There are several reasons for it. Poor water quality in lakes and ponds impacts the lives of many wild life species including fish, ducks, geese, animals and plants. Poor water quality is caused by nutrient load from fertilizer runoff and chemical pollutants which overpowers natural bacterial population. Thus water pollution is a common problem where novel approaches are needed.

Biodiversity constitutes only 2% of the total land mass of the world but it represents 5% of fauna and flora of the world. Though it is clear that biodiversity conservation is vital to human survival, living resources; some of the major threats include habitat destruction, over exploitation, pollution, global climate change etc. are increasingly threatened around the world. So there is an urgent need to conserve and preserve biodiversity in order to protect the globe.

#### Seminar Themes

- Recent advances in Applied Biology and Zoology.
- Animal models for various studies in applied biology.
- Immunity and nutrition in maintenance of health in post pandemic era.
- Incidence of malaria and other parasitic infections in India.
- Immunity to infectious, lifestyle and genetic diseases.
- Molecular approaches and vaccines in treating diseases.
- Impact of aquatic toxicology on aquatic organisms
- Impact of pesticides and herbicides usage on aquatic ecosystem
- Biomagnification in aquatic systems.
- Impact of chemicals on water quality of aquatic systems
- Preservation and conservation of biodiversity in India.
- Molecular Taxonomy and its relevance to Biodiversity
- Bioinformatics in modern biotechnology.
- Taxonomy of Aquatic Zooplanktonic species – Branchiopods, Copepods, Rotifers etc.
- Biodiversity of Zooplanktonic species in India



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