# JSS Academy of Higher Education & Research

## School of Life Sciences-Mysuru

### Department of Microbiology

Sri Shivarathreeshwara Nagara, Mysuru - 570015

In association with

## Association of Toxicologists & Risk Assessors (ASTRA)

Karnataka Chapter KA 01

&

### CSIR–Indian Institute of Toxicology Research (CSIR-IITR)

Lucknow

# International Toxicology Convention on Emerging Approaches in Risk Analysis and Translational Aspects of Health and Environment

## (EARTH) 2026

## November 26th - 29th, 2026



NAAC A++

nirf 2025 — 21st University Category

Times Higher Education Sustainability Impact Ratings 2026 — SDG-3 Good Health and Well-being 2026 — 11 in WORLD

Times Higher Education Sustainability Impact Ratings 2026 Overall — Impact Ranking — 74 in WORLD — 3 in INDIA

QS World University Rankings By Subject 2026 — Pharmacy & Pharmacology 91 — Medicine 551- 600

THE World University Rankings 2026 — 801-1000 — 28 in INDIA

THE World University Rankings 2026 by Subject — Medical & Health 601- 800 — Life Science 801-1000

nirf 2025 | JSS College of Pharmacy, Ooty - 4th • JSS College of Pharmacy, Mysuru - 7th • JSS Dental College & Hospital - 10th • JSS Medical College - 37th

# VISIONARIES OF THE CONFERENCE

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**Dr. M.K.R. Mudiam**, Director, IPFT and Vice-President, ASTRA

# LIST OF INVITED FOREIGN SPEAKERS



## Dr. Lisa Truong

Associate Professor
Oregon State University
Oregon



## Dr. Ranu Surolia

Associate Professor
University of Alabama at Birmingham
United States



## Dr. Robyn Tanguay

Professor
Oregon State University
Oregon



## Dr. Subhrajit Saha

Assistant Professor
University of Kansas Medical Center
United States of America



## Dr. Manoj K. Mishra

Professor
Alabama State University
United States of America



## Dr. Rajiv R. Mohan

Professor
University of Missouri
United States



## Dr. Nishant Sinha

Assistant Professor
University of Florida
United States



## Dr. Arun K. Bhunia

Professor
Purdue University
United States



## Dr. Venkatesh Meda

Professor
University of Saskatchewan
Canada



## Dr. Prashant Sinha

Senior Research Specialist,
University of Missouri,
Missouri (MU)

# LIST OF INVITED INDIAN SPEAKERS



**Dr. Apurba Sastry**
Additional professor
JIPMER,
Pondicherry



**Dr. Ketan Priyadarshi**
Assistant Professor
AIIMS
Patna



**Dr. Sharanagouda Patil**
Principal Scientist
ICAR-NIVEDI,
Bengaluru



**Dr. Sandeep K. Sharma**
Senior Scientist
CSIR-Indian Institute of Toxicology Research
Uttar Pradesh, India



**Dr. Sheelendra Singh**
Scientist
CSIR-Indian Institute of Toxicology Research
Uttar Pradesh, India



**Dr. Rajnish Chaturvedi**
Senior Principal Scientist
CSIR-Indian Institute of Toxicology Research
Uttar Pradesh, India



**Dr. Smriti Priya**
Senior Scientist
CSIR-Indian Institute of Toxicology Research
Uttar Pradesh, India



**Dr. Anbumani Sadasivam**
Principal Scientist
CSIR-Indian Institute of Toxicology Research
Uttar Pradesh, India



**Prof. Praveen K Vemula**
Professor
inStem
Bengaluru, Karnataka, India



**Dr. Preeti Chaturvedi Bhargava**
Scientist F
CSIR-Indian Institute of Toxicology Research
Uttar Pradesh, India



**Dr. Syed Musthapa Meeran**
Senior Scientist
CSIR-Indian Institute of Toxicology Research
Uttar Pradesh, India

## ABOUT ASTRA

The Association of Toxicologists & Risk Assessors – India (ASTRA) is a registered, non-commercial scientific association headquartered at the CSIR–Indian Institute of Toxicology Research (CSIR-IITR), Lucknow. ASTRA is dedicated to advancing the science of toxicology and health risk assessment by promoting research, education, and professional collaboration among scientists, academicians, regulatory experts, and industry professionals. Guided by its vision of "Science for Safety, Health, and Environment," the association facilitates the exchange of scientific knowledge through conferences, seminars, workshops, lectures, and publications. ASTRA also aims to increase public awareness of toxicological issues, encourage interdisciplinary research, and support evidence-based risk assessment to safeguard human health and the environment.

## ABOUT EARTH

The International Toxicology Convention series, "Emerging Approaches in Risk Analysis and Translational Aspects of Health & Environment" (EARTH), was established in 2024 to commemorate the diamond jubilee of the CSIR-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow. Following its initial iterations (EARTH-2024 and EARTH-2025) in Lucknow, the EARTH-2026 convention marks a pivotal expansion. The convention champions a modern evolution in evaluating safety and environmental risks. The paradigm shift is mainly highlighted by moving away from traditional mechanistic toxicity alone, the modern strategy integrates exposure science, epidemiological data, and advanced predictive technologies like Artificial Intelligence (AI) and Machine Learning (ML) to address emerging contaminants.By fostering strict collaboration, cooperation, and coordination among academia, research, and industry, EARTH-2026 aims to translate innovation into reality.

## ABOUT CSIR-IITR

The CSIR–Indian Institute of Toxicology Research (CSIR-IITR), Lucknow, a premier constituent laboratory of the Council of Scientific and Industrial Research (CSIR), Government of India, is dedicated to advancing research in toxicology and environmental health sciences. Established in 1965, the institute conducts multidisciplinary research on chemical, environmental, food, occupational, and pharmaceutical toxicology, with a strong emphasis on human health risk assessment, regulatory toxicology, environmental monitoring, alternative test methods, nanotoxicology, computational toxicology, and translational research. CSIR-IITR also contributes significantly to national policy development, regulatory decision-making, capacity building, and technology innovation through cutting-edge research, industry collaborations, and scientific training, making it one of India's leading centers for toxicological research and public health protection.

## ABOUT JSS AHER

JSS Academy of Higher Education & Research, is a Deemed to be University established in 2008 and accredited by NAAC with an A++ grade. JSS AHER has consistently ranked among the top 50 universities in India. Our institution focuses on comprehensive education and research, aimed at nurturing graduates, postgraduates, and Ph.D. researchers through state-of-the-art facilities and a robust value-based education system. We have a strong commitment to advancing knowledge and innovation across various disciplines, including medicine, dentistry, pharmacy, and life sciences. With over 700+ faculty members instructing around 10,000+ students and 700+ research scholars, JSS AHER promotes an environment rich in research output and international collaboration. Our partnerships with leading global institutions further enhance our scholars' learning experiences and opportunities for impactful research.

# Themes for **EARTH 2026** Conference

## CONFERENCE THEMES

- **ATTRACT** — Analytical Tools, Techniques, and Assays for Research & Advancement of Competency in Toxicology
- **RATE** — Risk Analysis: Techniques and Existing & Emerging Risks
- **PET** — Public Health and Environmental Toxicology
- **DEMAT** — Development and Management of Toxicology Facility
- **DIPTox** — Digital Interfaces and Predictive Toxicology
- **SAFE-RISK** — Safety Analysis of Food & Emerging Risk Identification, Skills & Knowledge

## Theme Driven Conference Topics "REPRESENTATIVE BUT NOT LIMITED TO"

1. AI and ML in Risk Analysis Assessment
2. Air Pollution and Health Effects: Indoor and Outdoor
3. Alternatives to Animal Models
4. Bioremediation, Phytoremediation and Bioengineering
5. Biomonitoring and Environmental Surveillance
6. Cell Death and Disease
7. Climate Change and Human Health
8. Computational Models and *In Silico* Tools
9. Emerging Toxicants and Concerns: PFAS and Micro/Nanoplastics
10. Environmental Toxicology, Toxicogenetics and Epigenetics
11. Forensic Toxicology and Analytics
12. Genotoxicity and Carcinogenicity
13. Human Health Risk Assessment
14. Nanotechnology and Nanomaterial Toxicology
15. Preclinical Toxicology: Challenges and Alternatives
16. Regulatory Toxicology and Current Guidelines
17. Reproductive Health and Toxicology
18. 3D Organotypic Cultures and Organ-on-Chip
19. Target and Non-Target Organ Toxicity
20. Food Contaminants, Adulterants and Emerging Food Safety Challenges
21. Food Toxicology, Chemical Risk Assessment and Public Health
22. One Health and Environmental Surveillance
23. Microbial Risk Assessment in Public Health
24. Bio-remediation in Agriculture
25. Regulatory and Risk Assessment
26. Food processing nutrition and safety

## ORGANISED BY

IITR — CSIR-Indian Institute of Toxicology Research

JSS ACADEMY OF HIGHER EDUCATION & RESEARCH (DEEMED TO BE UNIVERSITY) MYSURU

ASTRA — Association of Toxicologists and Risk Assessors

## KNOWLEDGE PARTNER

CSIR-Central Food Technological Research Institute — सी एफ़ टी आर आई — cftri — 1950 at Since 1950

niist — सीएसआईआर का अंतर्विषयी आयाम — Interdisciplinary face of CSIR

## ORGANISING SPONSORS

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# REGISTRATION DETAILS

**For ASTRA Members**

| Category | Early Bird (Indian INR / Foreign USD) | Regular (Indian INR / Foreign USD) | Spot Registration (Indian INR / Foreign USD) |
|---|---|---|---|
| Life Members / Faculty/staff/post doc | ₹ 4000 / $50 | ₹4500 / $100 | ₹5000 / $55 |
| Student Members / Research Fellows / project assistant(s) | ₹2500 / $30 | ₹3000 / $35 | ₹3500 / $40 |

**For Non-ASTRA Members**

| Category | Early Bird | Regular | Spot |
|---|---|---|---|
| Faculty/staff/Postdoc | ₹5000 / $55 | ₹8000 / $100 | ₹10000 / $125 |
| Research Fellows/Project assistant(s) | ₹4000 / $50 | ₹5500 / $60 | ₹6500 / $300 |
| Industry delegate | ₹8000 / $100 | ₹12000 / $150 | ₹14000 / $175 |
| Accompanying Member(s) | ₹3000 / $35 | ₹5500 / $60 | ₹6000 / $75 |

*Registration fee includes the kit, entry to scientific sessions, lunch and two dinners on the conference dates.

# PAYMENT INFORMATION

## 1. For online fee transfer, use following information:

| | |
|---|---|
| Account Name | ASTRA Karnataka Chapter KA 01 |
| Account No | 45309340502 |
| IFSC Code | SBIN0040547 |
| Branch | SS Nagara, Mysuru |
| Bank | State Bank of India |

PAY HERE ⬇

## 2. DD/PO payable in favour of ASTRA Karnataka Chapter KA 01 payable at SBI, SS Nagara, Mysuru Branch.

**NOTE**: Additional discount available for group registrations of more than 10 participants. Contact **Dr. Bhargav Shreevatsa K S** (8861130402) for more details.

## SPONSORSHIP AND ADVERTISEMENT




### Sponsorship Benefits

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| Branch | SS Nagara, Mysuru |
| Bank | State Bank of India |

**2. DD/PO payable in favour of ASTRA Karnataka Chapter KA 01 payable at SBI, SS Nagara, Mysuru Branch.**

## CONFERENCE ORGANIZING COMMITTEE

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## ABSTRACT SUBMISSION DETAILS

- Abstracts are invited for **Oral** and **Poster** presentations and must align with the conference themes.
- The abstract must include the title, **author**(s), presenting author, guide/supervisor (if applicable), and 5 keywords.
- Include email ID of the presenting author.
- The abstract should not be more than **300** words. The abstract has to be formatted in **Times New Roman** (12 pt) with **1.5** line spacing.
- The format of the abstract is proived in the Google form.
- References, figures, tables and special symbols should **not** be included.
- Abstract Submission Deadline: **10 October 2026**.
- All submissions will undergo Peer review, and acceptance notifications will be communicated via email by the date **15 October 2026.**
- For queries: **astraka01@jssuni.edu.in**
- Submit your abstract through the Google form using the QR CODE

## BEST PRESENTATION AWARDS

The Best Oral and Poster Presentations will each be awarded a cash prize of ₹5,000.

**BEST ORAL PRESENTATION** - First Prize- ₹5000
**BEST POSTER PRESENTATION** - First Prize- ₹5000

## ABOUT MYSURU

**Mysuru**, often celebrated as the cultural capital of Karnataka, is a city renowned for its rich heritage, royal legacy, and timeless architectural grandeur. Home to magnificent landmarks, vibrant traditions, and a thriving artistic culture, Mysuru offers visitors a unique blend of history and modernity. The city's most iconic celebration, the world-famous **Mysuru Dasara**, stands as its greatest pride a spectacular festival that commemorates the victory of good over evil through grand processions, cultural performances, illuminated palaces, and centuries-old royal traditions. Alongside attractions such as the majestic **Mysuru Palace**, **Chamundi Hill,** St. Philomena's Cathedral, Brindavan Gardens, and the **Mysuru Zoo**, Mysuru continues to captivate visitors from across the globe, making it one of India's most distinguished destinations for culture, heritage, and tourism.



## FOR MORE DETAILS

**Dr. Bhargav Shreevatsa KS**

**Contact no.** : 8861130402

**Email ID:** bhargavshreevatsaks@jssuni.edu.in

## HOTELS NEARBY VENUE..

For the convenience of delegates, a list of hotels and accommodation options located in close proximity to JSS Academy of Higher Education & Research (JSS AHER), Mysuru has been compiled. The accompanying **LINK** and **QR** that opens a document provides details of recommended hotels and approximate distance from the conference venue to assist participants in planning their stay.

https://docs.google.com/document/d/16zHdx3qYnpOoLlOkV19FpEZwC9046EPnvsthhJgBiCs/edit?usp=sharing









