

International Toxicology Convention on
**Emerging Approaches
in Risk Analysis
and Translational
Aspects of Health and
Environment (EARTH)**

November 12-15, 2025



EARTH 2025

FIRST CIRCULAR

ORGANIZED BY



सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान
CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH
LUCKNOW, INDIA



CSIR-IITR

CSIR-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow, a constituent laboratory of the Council of Scientific and Industrial Research (CSIR), was established on November 4, 1965. It is the only institute of toxicology in the country contributing towards cutting-edge research and innovation in toxicology with the motto: Safety to Environment and Health and Service to Industry". CSIR-IITR has world-class infrastructure and human resources in toxicology and provides a one-stop solution to address environmental and health issues. The institute has contributed to the knowledge base in the domain of toxicology by publishing >3800 research articles and in technology development (25 national and international patents). The six decades of contributions in the field of toxicology have globally positioned CSIR among the top five in Food, Industrial and Nanomaterial toxicology.

EARTH

CSIR-Indian Institute of Toxicology Research (CSIR-IITR), during its diamond Jubilee celebrations, launched the EARTH (Emerging Approaches in Risk Analysis and Translational Aspects of Health and Environment) platform in November 2024 in association with ASTRA (Association of Toxicologists and Risk Assessors) to focus scientific deliberations on cutting-edge advancements in risk assessment and translational toxicology to enhance health and environmental safety. This scientific platform brings together experts in the Es of toxicology (Exposure, Effect, Epidemiology, and Environment), regulatory professionals from As (Analysts, Assessors, Accreditors, and Administrators) and those promoting alternative animal approaches or the 3Rs (reduce, reuse, and refine) of toxicity evaluation, and we envisage several essential Ts (toxicant detection, their threshold limits, tolerance levels and translation of existing knowledge into viable tools and technologies) that Holistically ensure Human and Environmental Health.

EARTH-2025

We are pleased to announce the international toxicology convention on "Emerging Approaches in Risk Analysis and Translational Aspects of Health and Environment (EARTH2025)" being organized by the CSIR-Indian Institute of Toxicology Research (CSIR-IITR), Lucknow, India in association with ASTRA (Association of Toxicologists and Risk Assessors) during November 12-15, 2025.

The impact of human habits on our planet, Mother Earth, has been significant over the years. In the era of climate change, a comprehensive safety/risk assessment strategy should not only be based on a traditional mechanistic understanding of chemical toxicity but also should encompass exposure science, epidemiological data, and modern assessment/ prediction tools, including AI and ML. Such an approach prompts a paradigm shift in risk assessment and also in the way we address emerging contaminants or risks. Remaining true to this rationale, themes of this convention of the convention broadly are (a) Analytical Tools, Techniques, and assays for Research and Advancement of Competency in Toxicology (ATTRACT), (b) Risk Analysis: Techniques and Existing and Emerging Risks (RATE), (c) Public health and Environmental Toxicology (PET), (d) Development and Management of Toxicology facility (DEMAT) (e) Digital Interfaces and Predictive Toxicology (DIPTox).

This convention intends to highlight the current knowledge and future perspectives on the above themes involving different stakeholders in specific sessions, panel discussions, and oral and poster presentations.

ASTRA

Association of Toxicologists and Risk Assessors (India), or ASTRA (अस्त्रा) in short, is a registered body headquartered at CSIR-Indian Institute of Toxicology, Research, Lucknow. The objective of ASTRA, a professional, educational, and non-commercial entity, is to advance all aspects of science and technology relating to the field of toxicology and health risk assessment. ASTRA seeks to promote Science for Safety, Health, and Environment by providing opportunities for the dissemination and exchange of knowledge as well as experience not only among professionals of toxicology and risk assessment but also among the public and society at large.

In the pursuance of its objectives, ASTRA shall organize lectures, meetings, seminars, and conferences directed both toward professionals and the public. ASTRA also aims to bring out a journal or journals and vehicles for the publication of scientific and technical articles concerned with research and development, and of such other matters as may advance toxicology and risk assessment, such as news regarding ASTRA activities and members, reports of meetings elsewhere, commercial and market information, news of promotional and development activity.

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)

Sponsorship and advertisement

Sponsorship

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ASTRA Membership/ For Registration & Fee Payment



Dates to remember:

Last date for:

Early abstract submission: 01st September 2025
 *Late abstract submission: 15th October 2025
 *Will not be considered for oral presentation
 Intimation of acceptance:
 Early abstract submission: 20th September 2025
 Late abstract submission: 30th October 2025

Registration fees

Total Registration fees (INR) with 18% GST included

Category	Registration fee (INR/USD)					
	Up to 31 st August, 2025 ^{ad}		01 st September, 2025 to 30 th September, 2025		01 st October onwards	
For ASTRA members	Indian delegate (INR)	Foreign Delegate (USD)	Indian delegate (INR)	Foreign Delegate (USD)	Indian delegate (INR)	Foreign Delegate (USD)
Life Members/Annual members (Faculty/staff/post doc)	4,000	100	4,500	100	5000	150
Student Member (Research Fellows/project assistants)	2,500	50	3,000	50	3500	75
For Non-ASTRA members						
Faculty/staff/postdoc	5,000	200	6,000	250	8000	300
Research Fellows/project assistants	3000	150	3500	200	4500	250
Industry delegate	8000	400	10000	400	12000	500
Accompanying Members	3000	100	3500	100	4000	200

SCAN HERE FOR



For Registration

Registration & Abstract Submission

Start Date : April 01, 2025 | Last Date : October 15, 2025



"We are not only LOCAL but also GLOCAL, We are CSIR"



"Untill all of us have succeeded none of us have "

Waters™

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Organizing Committee

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|------------------------|---|---|
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