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Editorial- 3rd National Conference on Environmental Toxicology: Impact on Human Health (Env-Tox 2024) 29th - 30th March 2024 †

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Environmental Toxicology is being transformed in a big way, resulting from the urgency of preserving and conserving the environment and ensuring human health. 3rd National Conference on Environmental Toxicology: Impact on Human Health (Env-Tox 2024) — conducted through virtual platforms on 29th and 30th March 2024 – could not have occurred without these transformations.

Env-Tox 2024 was organized by the International Council for Forensic and Health Science Research to unite environmental conservationists with toxicologists. It served as an active forum where various disciplines can interact while exchanging insights, methods, and discoveries that are redirecting our knowledge base regarding environmental toxicology.

To underscore the significance of this approach and to enable pivotal discussions, the theme of this conference centered on:

- Hazardous Chemical Exposure
- Environmental Impact Assessment
- Forensic Toxicology
- Food Toxicology
- Environmental Toxicology
- Impact on Animal & Human
- Bioremediation Approaches
- Agriculture Toxicology
- Medical Toxicology
- Aquatic Toxicology
- Environmental Sustainability
- Abatement Methods

The conference's theme encompassed a broad spectrum of topics, ranging from Hazardous Chemical Exposure and Environmental Impact Assessment to Forensic Toxicology and Bioremediation Approaches. This comprehensive approach reflects the multifaceted nature of environmental toxicology, acknowledging its intersections with agriculture, food safety, aquatic ecosystems, and medical practices. One of the standout features of Env-Tox 2024 was its commitment to fostering a systems thinking paradigm within the Environmental Toxicology community. Recognizing that

environmental issues are inherently interconnected and complex, the conference encouraged researchers to adopt holistic approaches that consider the broader ecological, societal, and economic contexts.

The inaugural session set an inspiring tone for the conference, with Prof. (Dr.) Hemant Parikh delivered a keynote address that emphasized the importance of interdisciplinary collaboration in advancing Environmental Toxicology. The participation of 11 distinguished invited speakers and 32 selected presenters from across India enriched the conference's discourse, providing diverse perspectives and stimulating thought-provoking discussions.

We are deeply grateful to the authors whose contributions have enhanced this special issue of Proceedings. Their research and insights have enriched our understanding of environmental toxicology's complexities and potential solutions. Our heartfelt appreciation also goes to the diligent reviewers who have upheld the highest standards of academic rigor and contributed to the quality of this publication. A special acknowledgment is due to Prof. Alexandru Mihai Grumezescu, our esteemed Editor-in-Chief, whose visionary leadership and unwavering commitment to excellence have been instrumental in shaping this special issue. We also extend our gratitude to the entire editorial, publishing, and production teams at Proceedings International for their tireless efforts and invaluable support.

Env-Tox 2024 has been a resounding success, catalyzing meaningful dialogue, fostering interdisciplinary collaboration, and advancing our collective efforts toward a more sustainable and healthier future. As we look ahead, let us continue to embrace the challenges and opportunities presented by environmental toxicology, striving to innovate, collaborate, and positively impact our planet and its inhabitants.

Keywords: Env-Tox 2024; Environmental Toxicology; Interdisciplinary Collaboration; Hazardous Exposure; Sustainability Initiatives.

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