

## Special Issue

# Molecular Effects of Environmental Pollutants on Health of Human, Animals and Plants, 2nd Edition

### Message from the Guest Editor

Environmental pollutants pose significant threats to the health of organisms and ecosystems. Industrial, wastewater, and domestic effluents release non-biodegradable contaminants like pesticides, heavy metals, pharmaceuticals, microplastics, and biotoxins into the atmosphere, water, and soil. These pollutants, with high toxicity and long half-lives, bioaccumulate and interfere with fundamental physiological processes in humans, animals, and plants, impairing their health. While the understanding of these chemicals' actions is limited, they are known to act additively at low concentrations, with developing organisms being particularly sensitive. Few studies have established a causal link between pollutants and health alterations. We invite contributions to this Special Issue with original research and reviews on how environmental pollutants affect human, animal, and plant health. This Issue aims to enhance our understanding of pollutant-induced alterations and dose-response relationships, including molecular mechanisms related to sperm nuclear basic proteins, nucleic acids, and epigenetic modifications.

### Guest Editor

Prof. Dr. Marina Piscopo

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### Deadline for manuscript submissions

closed (30 June 2025)



## Biomolecules

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### Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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