

Special Issue

The Impact of Environmental Contaminants on Neurodevelopment and Human Metabolism

Message from the Guest Editors

Anthropogenic activities have been contributing to the exponential increase of pollutants released into the environment. The perinatal period represents a critical and vulnerable period for the developing brain. This way, exposure to environmental contaminants can affect the organism's metabolism. Developing individuals are more sensitive when challenged with xenobiotics. A particular concern is regarding the morphology and physiology of the developing brain. Alterations during neurodevelopment can compromise important functions of the individual's nervous system and cause permanent health problems, such as learning, memory, and behavioral deficits. Studying the effects of environmental contaminants isolated or in mixtures, especially in realistic concentrations, in different models/organisms and the effects in several pathways of organisms' development and metabolism is pivotal to understanding the effects of anthropogenic actions on human health. In this Special Issue, papers exploring new biomarkers of exposure, new pathways affected, and biochemical and molecular alterations caused by exposure to environmental contaminants are welcome.

Guest Editors

Dr. Cláudia Sirlene Oliveira

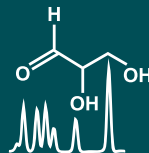
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Deadline for manuscript submissions

31 March 2026



Metabolites

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 6.9
Indexed in PubMed



mdpi.com/si/210267

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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