Special Issue

Toxicity and Ecotoxicity Mechanisms of Heavy Metals on Human Health and Environment

Message from the Guest Editors

This Special Issue will elucidate the molecular mechanisms of metal-induced carcinogenesis and other metabolic disorders and will focus on a variety of pathways, including genotoxicity, mutagenesis, oxidative stress, epigenetic modifications such as DNA methylation, histone post-translational modification and alterations in microRNA regulation, competition with essential metal ions, disorders of energy metabolism, amino acid metabolism, osmoregulation, and cancerrelated signaling pathways. This Special Issue takes a broader perspective and aims to assist in guiding future research, with respect to the prevention and therapy of metal exposure in living organisms with diseases including cancer, neurotoxicity, cardiovascular disease, chronic disease, coronary artery disease and different metabolic disorders.

Guest Editors

Dr. Rashid Mir

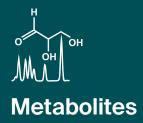
- Department of Medical Laboratory Technology, Faculty of Applied Medical Sciences, University of Tabuk, Kingdom of Saudi Arabia, Tabuk 71491. Saudi Arabia
- 2. Division of Cancer Molecular Biology, Prince Fahd Bin Sultan Research Chair for Biomedical Research, University of Tabuk, Kingdom of Saudi Arabia, Tabuk 71491, Saudi Arabia

Prof. Dr. Marianne Graber

La Rochelle, laboratoire LIENSs UMR CNRS 7266, Bâtiment Marie Curie, Avenue M. Crépeau, CEDEX 1, 17042 La Rochelle, France

Deadline for manuscript submissions

closed (20 June 2024)



an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 6.9 Indexed in PubMed



mdpi.com/si/161644

Metabolites
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
metabolites@mdpi.com

mdpi.com/journal/metabolites





Metabolites

an Open Access Journal by MDPI

Impact Factor 3.7 CiteScore 6.9 Indexed in PubMed



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

Dr. Amedeo Lonardo

Internal Medicine, Ospedale Civile di Baggiovara, Azienda Ospedaliero-Universitaria, 41126 Modena, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q2 (Endocrinology, Diabetes and Metabolism)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.4 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the first half of 2025).

