

Special Issue

Oxidative Stress and Metabolic Disorders

Message from the Guest Editors

Oxidative stress has been proposed as a potential inducer of inflammation, with involvement in the development of chronic pathologies such as metabolic diseases. Oxidative stress is produced due to an imbalance in oxide reduction metabolism generated by the uncontrolled production of reactive oxygen and nitrogen species. It is widely known that the overproduction of reactive oxygen and nitrogen species causes endothelial dysfunction, tissue deterioration, and therefore, an increase in the appearance of different pathologies. This Special Issue aims to highlight the connection between oxidative stress and metabolic diseases. Authors are invited to submit original articles and well documented reviews related, but not limited to, the identification of metabolites/bioactive compounds with biological and/or clinical relevance (possibly in relation to oxidative stress or metabolic pathologies) and metabolomics and descriptions of new oxidative stress biomarkers.

Guest Editors

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Deadline for manuscript submissions

closed (30 June 2020)



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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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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).