

## Special Issue

# Exploring and Expanding Horizons in Secondary Metabolites: Biosynthesis, Identification, Regulation and Biological Activity

### Message from the Guest Editors

The exploration of secondary metabolites is a leading area of scientific research, covering topics from plant defense to therapeutic and biotechnological uses. This Special Issue of *Metabolites*, titled "Exploring and Expanding Horizons in Secondary Metabolites: Biosynthesis, Identification, Regulation and Biological Activity", aims to expand the study focus to the chemical variety present in microorganisms, marine organisms, and animals.

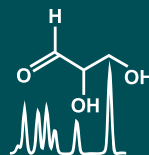
This Special Issue aims to encourage interdisciplinary discussions on secondary metabolite research in plants, microbial sciences, marine biology, and animal studies to reveal universal principles and potential applications of these metabolites. It also aims to advance basic science and facilitate new applications in health, agriculture, and environmental sustainability by compiling cutting-edge research on the biosynthesis, identification, regulation, and biological activity of secondary metabolites.

### Guest Editors

Dr. Alberto Jorge Oliveira Lopes  
Dr. Antônio José Cantanhede Filho  
Dr. Cláudia Quintino Da Rocha

### Deadline for manuscript submissions

closed (30 November 2025)



## Metabolites

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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.

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### Editor-in-Chief

Dr. Amedeo Lonardo

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

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