

Special Issue

Phenolic Compounds and Metabolome

Message from the Guest Editors

Scientists have a continually growing interest in plant secondary metabolites with respect to their biological activities and the properties in relation to their use in the nutraceutical field. In particular, phenolic compounds are known to possess remarkable properties from a pharmaceutical and nutritional point of view, and at the same time, they are important indicators of the physiological status of plants. This Special Issue aims at gathering the most recent contributions in relation to their chemical characteristics, extraction, analytical techniques for their determination, and assessing their biological activities. Contributions to this Special Issue, both in the form of original research and review articles, may cover all aspects of plant metabolome studies with particular attention on phenolic compounds and other bioactive molecules, including:

- Their chemical characterization in different plant species;
- Methods for their extraction, purification, and quantification;
- Food waste or byproducts valorization;
- Effects of biotic/abiotic stress on plant metabolome;
- The metabolomics approach in geographical origin determination and metabolomic fingerprinting.

Guest Editors

Prof. Dr. Gabriele Capodaglio

Prof. Dr. Esra Capanoglu

Dr. Elisa Scalabrin

Dr. Marta Radaelli

Deadline for manuscript submissions

closed (15 February 2021)



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

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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

Dr. Amedeo Lonardo

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

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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).