

## Special Issue

# Research Progress of Plant Compounds for Diabetes and Its Complications

### Message from the Guest Editors

Numerous chronic complications appear in the evolution of diabetes mellitus type 2 and type 1, and they significantly influence the duration of life of the patient. Diabetes mellitus is a metabolic disease where pro-oxidant, pro-inflammatory mechanisms are very expressed. Given the numerous beneficial effects that compounds extracted from different plants have, such as reduction in insulin resistance, improvement of endothelial function, improvement of beta-cell function, improvement of lipid metabolism, antioxidant effect, anti-inflammatory effect, the idea behind this Special Issue is to present significant results from original research or from international data in review articles. It is not only the potential chemical substances extracted from plants that are important, but also the delivery of these substances to target tissues; Standardization of these substances and their potential evolution toward drug development is the key concept of this Special Issue, with the ultimate goal to develop new drugs starting from beneficial plant compounds to target the complications of diabetes mellitus at the molecular level.

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### Guest Editors

Dr. Cosmin Mihai Vesa

Preclinical Department, Faculty of Medicine and Pharmacy, University of Oradea, Oradea, Romania

Prof. Dr. Dana Zaha

Department of Preclinical Disciplines, Faculty of Medicine and Pharmacy, University of Oradea, 410073 Oradea, Romania

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### Deadline for manuscript submissions

closed (29 February 2024)



## Metabolites

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

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).