

## Special Issue

# Secondary Metabolites in Plant Foods

### Message from the Guest Editor

Secondary metabolites in plants are not directly involved in the normal growth, development, and reproduction of the organism. They contribute to sustaining the overall functional status of the cells within organ systems. The network of metabolites, working with enzyme reactions during the entire process of metabolism, is called the metabolome. The metabolome involves/implicates all the series of combinations of cascading reactions between enzymes and substrates in the steps of metabolism, and ending in the production of all metabolites. Plants are an important source for the discovery of new products of medicinal value for drug development and plants' secondary metabolites are unique sources for pharmaceuticals, food additives, flavors, supplements, cosmetics, and other industrial values. This Special Issue aims to identify and review the latest bioactive compounds that have been demonstrated to have beneficial effects for consumers.

### Guest Editor

Prof. Dr. Jesus Simal-Gandara

Department of Analytical and Food Chemistry, Food Science and Technology Faculty, University of Vigo, 32004 Ourense, Spain

### Deadline for manuscript submissions

closed (30 June 2020)



## Molecules

an Open Access Journal  
by MDPI

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/si/23082](https://mdpi.com/si/23082)

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

[mdpi.com/journal/  
molecules](https://mdpi.com/journal/molecules)





# Molecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.6  
CiteScore 8.6  
Indexed in PubMed



[mdpi.com/journal/  
molecules](https://mdpi.com/journal/molecules)



## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

---

### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of  
Münster, Corrensstrasse 48, D-48149 Münster, Germany

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Reaxys, CaPlus / SciFinder, MarinLit, AGRIS, and other databases.

#### Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore  
- Q1 (Organic Chemistry)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).