Special Issue

Bioactive Properties and Chemical Composition of Wild Edible Species, 2nd Edition

Message from the Guest Editor

Considering the wide distribution of phytochemicals in plant tissues, this Special Issue focuses on analyzing the chemical composition of wild and underutilized edible species, including wild edible species; further identifying bioactive properties related to the composition of phytochemicals and biosynthesis; and revealing the mechanisms of action behind these activities. Moreover, this Special Issue aims to investigate the effect that pre- and post-harvest factors may have on the composition of phytochemicals and the bioavailability of the detected compounds and their possible practical applications for pharmaceutical and nutraceutical purposes and/or in functional food products. This Special Issue invites both reviews and research papers, encompassing a wide range of multidisciplinary topics, including crop production and plant physiology, analytical chemistry and biochemistry, food chemistry, food processing, and pharmacology, among others.

Guest Editor

Dr. Spyridon Petropoulos

Department of Agriculture Crop Production and Rural Environment, University of Thessaly, Volos, Greece

Deadline for manuscript submissions

30 November 2025



Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



mdpi.com/si/236522

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

mdpi.com/journal/ molecules





Molecules

an Open Access Journal by MDPI

Impact Factor 4.6 CiteScore 8.6 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all 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).

