Special Issue

Silymarin and Derivatives: From Biosynthesis to Health Benefits

Message from the Guest Editor

Numerous epidemiological studies show that some nutrients may protect against vascular diseases, cancers, degenerative diseases, and associated inflammatory effects. Among these compounds, flavonolignans are a family of natural products present in plants, composed of a flavonoid moiety and a phenylpropanoid or lignan part, that could contribute to the development of new strategies to fight various modern pathologies. In this context, one of the most important compounds among flavonolignans is silymarin which is extracted from milk thistle seeds and could act as a chemopreventive compound or a therapeutic adjuvant. This Special Issue will cover areas related to the biosynthesis of silymarin and its derivatives, its bioavailability, and its health benefits. More particularly, this Special Issue will highlight the biological properties of silymarin and its derivatives in major fields in terms of public health, including cardiovascular diseases, cancers, and inflammatory and immune pathologies.

Guest Editor

Prof. Dr. Dominique Delmas

1. Inserm Research Center UMR1231 "Lipids, Nutrition, Cancer", Université de Bourgogne, 7 Blvd Jeanne d'Arc, 21000 Dijon, France
2. Centre de Lutte Contre le Cancer Georges-François Leclerc Center, 21000 Dijon, France

Deadline for manuscript submissions

closed (30 September 2019)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/16543

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

mdpi.com/journal/molecules

MDPI

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).