



Sulfur-Containing Compounds: Synthesis, Characterization and Antimicrobial or Anticancer Activity

Guest Editors:

Prof. Dr. Paola Bonaccorsi

Dipartimento di Scienze
Chimiche Biologiche
Farmaceutiche ed Ambientali
(CHIBIOFARAM), Università degli
Studi di Messina, 98166 Messina,
Italy

**Dr. Chiara Maria Antonietta
Gangemi**

ChiBioFarAm Department,
University of Messina, 98166
Messina, Italy

Dr. Anna Barattucci

ChiBioFarAm Department,
University of Messina, 98166
Messina, Italy

Deadline for manuscript
submissions:

20 November 2025

Message from the Guest Editors

Dear Colleagues,

Sulfurated molecules are often found in nature, and their biological roles make them important scaffolds in medicinal and pharmacological chemistry as well as in materials science and organic synthesis. In this Special Issue, we wish to involve authors who would like to communicate their work on various aspects of sulfur-containing compounds, their synthesis, their characterization, their nutraceutical properties, their role in the development of novel drugs, and their potential application in the biomedical antimicrobial and anticancer fields. The formation of C-S bonds is the main focus of this SI; we are confident that each new sulfurated molecule may have potential applicability.

We welcome the submission of original research articles, short communications, reviews, and featured articles to this Special Issue. Research areas may include (but are not limited to) organic chemistry, pharmaceuticals, food, natural products, therapeutics, phytochemistry, and inflammatory processes.

We look forward to receiving your contributions.

Prof. Dr. Paola Bonaccorsi
Dr. Chiara Maria Antonietta Gangemi
Dr. Anna Barattucci
Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI