



Chemistry and Pharmacology of Modulators of Oxidative Stress 2018

Guest Editors:

Prof. Dr. Luciano Saso

Faculty of Pharmacy and
Medicine, Sapienza University of
Rome, 00185 Rome, Italy

Prof. Dr. Neda Mimica-Dukić

Biochemistry and Environmental
Protection, Department of
Chemistry, University of Novi Sad,
Trg Dositeja Obradovića 3, 21000
Novi Sad, Serbia

Prof. Dr. Ryszard Amarowicz

Institute of Animal Reproduction
and Food Research, Polish
Academy of Sciences, 10-748
Olsztyn, Poland

Deadline for manuscript
submissions:

closed (28 February 2019)

Message from the Guest Editors

Dear Colleagues,

As we all know, oxidative stress (OS) is involved to many pathologies, ranging from cancer to neurodegenerative diseases, and modulators of OS can be of therapeutic value in some of them, acting by different mechanisms, such as scavenging and metal chelating effects, mimicking the antioxidant enzymes or upregulation of their expression, activating the nuclear factor erythroid 2-related factor 2 (Nrf2), inhibiting pro-oxidant enzymes, etc.

This Special Issue aims to provide a forum for the dissemination of the latest information on new methods for extraction, isolation, synthesis, or derivatization of modulators of OS stress, and on in vitro and in vivo testing of their biological activities in view of possible pharmacological

Prof. Dr. Luciano SASO

Prof. Dr. Neda MIMICA-DUKIĆ

Prof. Dr. Ryszard AMAROWICZ

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

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.

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](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Chemistry, Multidisciplinary*) / CiteScore - Q1 (*Chemistry (miscellaneous)*)

Contact Us

Molecules Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](https://twitter.com/Molecules_MDPI)