

## Special Issue

# Bioactive Compounds as Modulators of Antioxidant Activity and Inflammatory Processes in Related Diseases

### Message from the Guest Editor

The editorial board of *Molecules* (IF: 4.6, ISSN 1420-3049) invites you to submit an article or review to a Special Issue entitled "Bioactive Compounds as Modulators of Antioxidant Activity and Inflammatory Processes in Related Diseases". This Special Issue cordially invites the submission of original research articles, short communications, and review papers centered on natural bioactive compounds. Contributions are welcome on, but not limited to, the following research topics:

- Antioxidant and anti-inflammatory effects of plant-derived bioactive compounds using various in vitro and in vivo models of inflammation-related diseases.
- Molecular pathways modulated by specific bioactive compounds in controlling oxidative stress and inflammation.
- Efficacy and safety of bioactive compounds administration.
- Concentration-dependent effects of bioactive compounds and their optimal therapeutic window.
- The effect of bioactive compounds on the antioxidant / pro-oxidant balance.

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### Guest Editor

Dr. Raluca Maria Pop

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### Deadline for manuscript submissions

31 July 2026



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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