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## Bioactive Compounds: Antioxidant, Antibacterial, Anti-inflammatory Modulation

Guest Editors:

**Dr. Raquel Bridi**

Facultad de Ciencias Químicas y Farmacéuticas, Universidad de Chile, Santiago 8380000, Chile

**Dr. Christian Espinosa-Bustos**

Facultad de Química y de Farmacia, Pontificia Universidad Católica de Chile, Santiago 7820436, Chile

Deadline for manuscript submissions:

**closed (30 September 2025)**

### Message from the Guest Editors

Bioactive compounds, including phenolic acids and flavonoids, are recognized as important natural antioxidants, as well as playing a key role in a wide variety of biological and/or pharmacological properties such as anti-inflammatory, antibacterial, anticancer, antiallergic, antiviral, antithrombotic, hepatoprotective, and signaling molecules, among others. Moreover, the inflammation process is triggered by oxidative stress, as well as being involved in the antibacterial action of different bioactive compounds. Likewise, other bioactive (e.g., peptides, fatty acids, and selected carbohydrates) may exhibit antioxidant and/or anti-inflammatory properties.

In this sense, we invite researchers to submit original articles or review articles on different aspects of the modulation of antioxidants, antibacterial, and/or anti-inflammatory properties by bioactive compounds present in natural matrices, obtained by semi-synthetic methods, or synthetically designed from compounds of natural origin.



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# Special Issue



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### Prof. Dr. Alessandra Napolitano

Department of Chemical  
Sciences, University of Naples  
"Federico II", Via Cintia 4, I-80126  
Naples, Italy

## Message from the Editor-in-Chief

It has been recognized in medical sciences that in order to prevent adverse effects of "oxidative stress" a balance exists between prooxidants and antioxidants in living systems. Imbalances are found in a variety of diseases and chronic health situations. Our journal *Antioxidants* serves as an authoritative source of information on current topics of research in the area of oxidative stress and antioxidant defense systems. The future is bright for antioxidant research and since 2012, *Antioxidants* has become a key forum for researchers to bring their findings to the forefront.

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*Antioxidants* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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