

Special Issue

Insights into Antioxidant Compounds: From Extraction to Mechanism of Action

Message from the Guest Editor

Antioxidant compounds have emerged as compounds of significant value due to their ability to counteract oxidative stress, a major cause underlying numerous chronic diseases and aging. The mechanisms by which antioxidant compounds exert their protective effects against oxidative stress remain a trending topic of research. These mechanisms encompass a range of interactions, including the scavenging of reactive oxygen species (ROS), modulation of signaling pathways, etc. By investigating such mechanisms, researchers can uncover the precise ways in which antioxidants counteract oxidative damage, thus paving the way for novel therapeutic interventions.

This Special Issue provides an opportunity for researchers to dive into the intricate world of antioxidants, spanning from innovative extraction techniques to unraveling their mechanisms of action at the molecular level. Authors are encouraged to contribute articles with a focus on extraction techniques that also consider the intriguing molecular mechanisms that drive antioxidant activity. We encourage studies that encompass a wide array of antioxidant compounds, from polyphenols and flavonoids to vitamins and enzymes.

Guest Editor

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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.

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