

## Special Issue

# Bioactive Compounds as Modifiers of Mitochondrial Function

### Message from the Guest Editor

Mitochondria is an organelle found in most eukaryotic cells, with a primary function of generating energy in the form of adenosine triphosphate (ATP). In addition to producing energy, mitochondria functions include storing calcium for cell signaling activities, generating heat when needed, and mediating cell growth and death. Bioactive compounds (broadly defined as natural, artificial, or synthesized compounds) could exhibit actions in the human body that may promote or improve health. Bioactive compounds have been studied and used since ancient times for their potential role in reducing illnesses, infections, cancer, diabetes, heart failure, Alzheimer and other diseases. In this Special Issue, we invite you to submit your original manuscripts, reviews, and special communications focusing on mitochondrial aspects of bioactive compound effects in the context of human or animal pathophysiology, pharmacology, and general health.

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### Guest Editor

Dr. Mihail Mitov

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### Deadline for manuscript submissions

closed (30 April 2026)



## Biomolecules

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CiteScore 9.2  
Indexed in PubMed



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### Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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