

## Special Issue

# Roles of Phytochemicals in Molecular Signaling Networks

### Message from the Guest Editor

Naturally occurring phytochemicals in plants have attracted considerable interest due to their wide-ranging biological activities and therapeutic potential. Growing evidence shows that phytochemicals modulate key molecular signaling pathways involved in inflammation, oxidative stress, apoptosis, cell proliferation, and metabolism. Understanding these interactions is crucial for developing novel preventive and therapeutic strategies for chronic diseases such as cancer, neurodegenerative disorders, cardiovascular diseases, and metabolic syndromes. This Special Issue aims to explore the molecular interaction networks through which phytochemicals exert their biological effects, with a focus on preclinical and clinical studies, novel compounds, and emerging technologies such as omics and systems biology. Submissions addressing structure–activity relationships, synergistic effects, and translational potential are also encouraged. We invite original research articles and comprehensive reviews that advance the current understanding of phytochemical-mediated molecular signaling networks.

### Guest Editor

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### Deadline for manuscript submissions

20 August 2026



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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