

Special Issue

Natural Active Compounds in Foods: Screen, Sources and Health Benefits

Message from the Guest Editors

The functional active ingredients of food include various categories of compounds, such as polyphenols, flavone, alkaloids, saponins, sterols, volatile oils, polysaccharides, and so on. These ingredients have various effects antioxidant, anti-inflammatory, anti-aging, lipid-lowering, hypoglycemic, sedative hypnotic and anti-tumor effects, which aid in the management and prevention of some diseases and are widely employed in healthcare products. Therefore, this Special Issue welcomes the submission of articles whose scope includes, but is not limited to, the following topics: New methods for preparing active natural products and their biological significance.

The efficient discovery and diversity mining of the active compounds in food.

The biological synthesis and metabolic engineering of food active natural products.

The development and utilization of specialty foods, new food resources, and their active ingredients.

The screening and identification of *Caenorhabditis elegans* and food active ingredients.

The identification of natural food active product targets and signaling pathways at the cellular and animal levels.

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2026)



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About the Journal

Message from the Editor-in-Chief

Foods (ISSN 2304-8158) is an open access and peer reviewed scientific journal that publishes original articles, critical reviews, case reports, and short communications on food science. Articles are released monthly online, with unlimited free access. Currently, *Foods* has been indexed by the Science Citation Index Expanded (SCIE - Web of Science), PubMed, and Scopus. Our aim is to encourage scientists, researchers, and other food professionals to publish their experimental and theoretical results as much detail as possible. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global food science community.

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).