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Bioactive Compounds and Biocatalysts: Application in the Food Industry in Non-encapsulated or Micro/Nano-Encapsulated Form

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Message from the Guest Editors

Bioactive compounds and biocatalysts have been studied extensively in last decade due to their health-promoting properties. Various encapsulation techniques and carriers have been used to protect them during food processing and enable their targeted delivery into the food matrix or gastrointestinal tract.

This Special Issue collects original research papers and reviews on the latest achievements in the production of functional ingredients, functional foods, improvement in food processing, food quality, nutritional value, safety and shelf-life of foods using unencapsulated or encapsulated bioactive compounds and biocatalysts. Non-encapsulated or micro/nano-encapsulated biocatalysts (enzymes, yeasts, probiotics, etc.) or bioactive compounds, bioprocess optimisation and their application in functional food formulations or their protection (edible films and coatings) are welcome for this Special Issue.

The health-promoting properties (antioxidant, antimicrobial, anticarcinogenic, etc.), in vitro/in vivo gastrointestinal digestion, bioaccessibility and sensory acceptability of formulated functional food ingredients and food products are also among the topics covered in this issue.



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Special Issue



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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.

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