

Special Issue

Separation Processes for Bioactive Ingredients from Complex Matrices and Their Integration into Various Aspects of Food Science

Message from the Guest Editor

In recent years, the food industry has seen growing demand for products that are not only nutritious but also functional and provide additional health benefits beyond basic nutrition. Central to this development is the extraction and integration of bioactive ingredients and compounds with proven health benefits from complex natural matrices and food processing by-products.

These bioactive compounds are derived from various sources such as plants, algae, fungi, and food processing by-products and wastewater, and they hold enormous potential to improve food quality and safety, with many health-promoting properties. However, separating these valuable compounds from their natural matrices presents significant scientific and technical challenges. Efficient and sustainable extraction methods combined with effective integration into food products are essential to exploit the full potential of these bioactive components. This Special Issue thus addresses the critical advances and challenges in separation processes for bioactive ingredients and highlights their transformative impact on various aspects of food science and the food industry.

Guest Editor

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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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