

## Special Issue

# Smart Solutions for Sustainable Food Production: Modeling, Simulation & Innovation

### Message from the Guest Editor

Rapid population increase and growing resource constraints are intensifying the need for smart and sustainable solutions to secure the future of food production. At the same time, consumers are increasingly demanding healthier and safer food products. Although many laboratory-scale studies have been conducted, limited attention has been paid to evaluating the scalability, economic viability, and environmental impact of producing innovative, bioactive-fortified food products at industrial scale. To support the achievement of these goals, we invite the submission of innovative research contributions addressing the theme of this Special Issue. Subject areas include, but are not limited to, the following:

- Identification and recovery of bioactive compounds from primary and secondary resources
- Development of innovative foods and materials using by-products or waste materials
- Novel systems for processing raw materials
- Conceptual design for sustainable food manufacturing facilities
- Implementation of industrial symbiosis in the food industry
- Sustainable production practices with low environmental impact
- Technical, economic, and environmental assessment of cogeneration and coproduction processes.

### Guest Editor

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### Deadline for manuscript submissions

24 February 2026



## Foods

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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.

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### Editor-in-Chief

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