

Special Issue

Recent Advancements in Food Processing Technologies for Enhancing Food Quality

Message from the Guest Editors

With global consumers demanding higher standards for health, nutrition, safety, taste, and sustainability in food, advanced food processing technologies are gaining prominence for their ability to enhance functional properties, modify microstructure, and improve overall product quality. The current research frontier has shifted from solely pursuing production efficiency to the precise and intelligent regulation of product quality. This requires a deep understanding of the multidimensional changes of raw material components during food processing, including ultrasound, 3D printing, pelleting, super-grinding, drying, and extrusion. By leveraging innovative food structure modification techniques, novel ingredient applications, and intelligent control technologies, the ondemand design of key attributes in the final product can be realized. This Special Issue aims to gather the latest research from scientists worldwide to explore fundamental theoretical innovations and cutting-edge applications in food processing technology, with a focused discussion on quality regulation strategies to advance the scientific development and industrial upgrading of this field.

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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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