Mathematical Modelling of Food Processing

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Message from the Guest Editors

Dear Colleagues,

Modelling can be performed either through the use of analytical, numerical or empirical tools and can include the prediction and understanding of complex transport processes, physicochemical property changes and even oral mastication as well as gastro-intestinal digestion. Modelling is beneficial in understanding the nature of a process and determining the relevant effective and/or optimal process parameters and conditions. Simulation strategies in modelling could be beneficial in the visualization of the effects of process parameters, determination of the optimal process conditions or design parameters for the scaling-up of industrial lines, and their validation.

This Special Issue aims to serve as an outlet for high-quality, state-of-the art articles dealing with all aspects of mathematical modelling as related to foods. Potential topics include, but are not limited to, numerical methods in mathematical modelling, computational simulations, trends in modelling procedures for food processing, modelling-based optimization and design of food processing operations/systems and their validation, and life cycle analysis.

Special Issue

Editor-in-Chief

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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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