

Special Issue

Thermal and Non-thermal Processes in the Food Industry

Message from the Guest Editors

Food processing involves many operations used to obtain food products of an appropriate quality. Depending on the technology used and its parameters, food may have varying processing procedures and compositions. This Special Issue focuses on the effect of various food treatments, both thermal and non-thermal, on food products' quality. Certain technologies can change the chemical composition of the food they process, specifically to improve their safety and nutritional value. The content of biologically active ingredients, especially those exhibiting antioxidant activity, is particularly interesting, because the prevention of reactions initiated by reactive oxygen species is of great importance in preventing the occurrence of noncommunicable diseases (NCDs) such as diabetes, obesity, cardiovascular disease and cancer.

Keywords

- food
- processing
- thermal and non-thermal processes
- nutritional value
- safety
- consumers

Guest Editors

Dr. Joanna Maria Klepacka

Dr. Agnieszka Najda

Dr. Marta Czarnowska-Kujawska

Deadline for manuscript submissions

closed (20 February 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/135989

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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