

## Special Issue

# Frontier Research in Food Processing Technologies

### Message from the Guest Editors

The food industry is developing dynamically in order to meet the challenges posed by consumers and the changing world. Nowadays, consumers demand that food products should be comfortable, varied, have a sufficient shelf life, and, at the same time, be healthy and safe. Other important considerations are those related to the health and environmental impacts of food processing. Additionally, consumers support safer and environmentally friendly technologies in the production of new food products. The growing human population also forces the search for new sources of food. Insects are becoming an interesting alternative to conventional sources of nutrients, such as proteins. The purpose of this Special Issue of *Applied Sciences* is to present current, original scientific articles as well as review articles on new and emerging technologies (e.g., high pressure, pulsed electric field, ultrasound, and cold plasma processing) for obtaining products with high nutritional value and the use of unconventional raw materials, such as insects, in food production.

---

### Guest Editors

Dr. Monika Sujka

Dr. Ewelina Zielińska

Prof. Dr. Urszula Pankiewicz

---

### Deadline for manuscript submissions

closed (20 August 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/78075](https://mdpi.com/si/78075)

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

[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### 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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )