

## Special Issue

# Research and Development of Functional Foods

### Message from the Guest Editor

With the gradual development of the world economy in recent years, the living standard of human beings has constantly been improving. After meeting the needs of food and clothing, people hope to search for natural bioactive functional foods to fight against injury and disease.

Natural active compounds generally refer to the biological factors that have the effect of anti-inflammatory, anti-cancer, anti-aging and so on, which mostly exist in people's daily diet. The most widely applied functional components are flavonoids, polypeptides, alkaloids, polyphenols, dietary fibers, carotenoid and so on. With the development of science and biological research, some natural active components that are beneficial to the human body have been found and applied gradually. In particular, many beneficial components found in plants may even have the effect of inhibiting certain diseases. Therefore, the study of functional foods has become a hot spot of biological research in various countries.

#### Keywords

- functional foods
- bioactivity evaluation
- processing technology
- characterization and structure identification

---

### Guest Editor

Dr. Zhaohui Xue

School of Synthetic Biology and Biomanufacturing, Tianjin University, Tianjin, China

---

### Deadline for manuscript submissions

closed (25 March 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/90666](https://mdpi.com/si/90666)

*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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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