



## Emerging Technologies and Innovations for Gut Microbiome Research

Guest Editors:

**Dr. Yiannis Kourkoutas**

**Prof. Dr. Eugenia Bezirtzoglou**

**Dr. Christina Tsigalou**

**Dr. Gregoria Mitropoulou**

Deadline for manuscript  
submissions:  
**closed (31 May 2023)**

### Message from the Guest Editors

Dear Colleagues,

The aim of this Special Issue is to highlight the emerging technologies and innovation for gut microbiome research. It takes, hence, the opportunity to look inside, as well as beyond the gut, discussing microbiome advancements and applications associated with digestive health and disease, but also with areas away from the gut, like the brain, sleep, mood and depression.

Original research and review articles to be published will include but are not limited to:

- Gut Microbiome and digestive health;
- Digestive health innovations, nutrition and disease prevention;
- Functional foods and gut microbiome;
- The microbiome-gut-brain axis;
- Smart food-grade vehicles for targeted delivery of beneficial microbes.

Dr. Yiannis Kourkoutas  
Prof. Dr. Eugenia Bezirtzoglou  
Dr. Christina Tsigalou  
Dr. Gregoria Mitropoulou  
*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

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

## 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.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](#)