

## Special Issue

# Advances in Gut Microbiome and Human Health

### Message from the Guest Editor

The gut microbiome has emerged as one of the critical modulatory factors of human health. However, the field is still young, and several challenges are prevalent. This Special Issue seeks to invite manuscripts that address the shortcomings that persist in this research area. This Special Issue will focus on human health using human subjects, in-vivo models and will consider manuscripts related to the following areas: (1) technological improvement of analysis of the gut microbiome, including bioinformatics tools; (2) mechanistic studies addressing the biological effects that result from changes in the gut microbiome; (3) studies elucidating the impact of gut microbiome on etiology, progression and prevention of diseases. Additionally, manuscripts that center on the causal effects of gut microbiome changes on human health are highly desirable.

### Guest Editor

Dr. Thomas T. Y. Wang

Diet, Genomics and Immunology Laboratory, Beltsville Human Nutrition Research Center, USDA-ARS, Beltsville, MD 20705, USA

### Deadline for manuscript submissions

closed (15 June 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/75925](https://mdpi.com/si/75925)

*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/](https://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 )