

## Special Issue

# Advances in Functional Properties of Probiotics

### Message from the Guest Editors

Probiotics are live microorganisms that, when ingested, inhabit the intestine, helping to digest food, produce vitamins, and even destroy disease-causing cells. Probiotics, along with other bioactive molecules such as prebiotics and antioxidants (polyphenols, tocopherols, vitamins), are an excellent preventive alternative. Improving digestive health and strengthening the immune system, the probiotics have become priority ingredients in the production of functional foods for human and animal nutrition. Therefore, the general objective of this Special Issue is to contribute to innovative research in this area of knowledge, promoting the exploration and discovery of new strains with probiotic potential, ensuring their biological function through biological and immunological studies at the cellular level "in vitro" and "in vivo" that guarantee the application of probiotics in the areas of medicine, pharmacy and food, thus contributing to human and animal health.

### Guest Editors

Dr. Blanca Rosa Aguilar Uscanga  
Dr. Josué Raymundo Solis Pacheco  
Dr. Angélica Villarruel-López

### Deadline for manuscript submissions

20 January 2026



## Applied Sciences

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

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### 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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