

Special Issue

Knowledge-Based Biotechnology for Food, Agriculture and Fisheries

Message from the Guest Editors

Renewable biological resources are the basis of a knowledge-based biotechnology (food, feed, agriculture, forest based, fisheries, aquaculture, biochemistry, etc.). The increasing demand for biological resources, both in quantity and quality, can only be met through innovation and advancement of knowledge in the sustainable management, production and use of these biological resources (micro-organisms, plants and animals). This Special Issue brings together all relevant actors (appropriate research disciplines and industrial sectors, farmers, forest owners, etc.) to develop the basis for new, sustainable, safer, affordable, eco-efficient and competitive products. This will help increase the competitiveness of agriculture and biotechnology. This key research into the safety of food and feed chains, diet-related diseases, food choices and the impact of food and nutrition on health will help to fight diet-related disorders (e.g., obesity, allergies, etc.) and infectious diseases (e.g., avian flu, bluetongue, etc.), while making important contributions to the implementation of existing regulations in the area of animal and plant health.

Guest Editors

Prof. Dr. Jesus Simal-Gandara

Prof. Dr. Jianbo Xiao

Dr. Md Afjalus Siraj

Deadline for manuscript submissions

closed (31 October 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/83801

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)