



Innovation in Biomolecular Sciences and Engineering

Guest Editors:

Prof. Dr. Hidehiko Hirakawa

Faculty of Life and Environmental
Sciences, University of Tsukuba,
Tsukuba 305-8577, Japan

Dr. Yusaku Miyama

Faculty of Life and Environmental
Sciences, University of Tsukuba,
Ibaraki 305-8572, Japan

Deadline for manuscript
submissions:

closed (31 January 2022)

Message from the Guest Editors

This Special Issue aims to cover multidisciplinary studies, which include unclassified research, in accordance with conventional research fields, on biomolecules, including nucleic acids, proteins, and lipids. The topics of interest include chemical and nonchemical approaches to adding new functionalities or regulating functions of biomolecules, engineering of biomacromolecules, discovery of new functions, and novel applications of biomolecules. The issue also focuses on chemical and genetic approaches to manipulating intracellular biomolecules and cellular functions, including post-translational control of cellular protein function or stability and protein labeling. Review articles as well as original research articles which will bring new insights into the applied sciences of biomolecules are also welcome.

Prof. Dr. Hidehiko Hirakawa

Prof. Dr. Yusaku Miyamae





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

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