

Special Issue

New Challenges in Integrative Biomedical Data Analysis

Message from the Guest Editor

The recent tremendous accumulation of biomedical data offers challenges and opportunities to understand biological phenomena and disease. In many cases, however, biomedical phenomena cannot be understood by a single data type. Thus, the development of methods to combine and analyze multiple biomedical data is one of the key challenges in the biomedical domain.

This Special Issue welcomes both review papers and original research works for integrative biomedical data analysis, along with their applications. The topics include (but are not limited to) the following:

- Biomedical discovery using multi-omics data;
- Data analysis based on statistics/machine learning/data mining;
- Pharmacogenomics, drug repositioning, computational drug discovery;
- Radiogenomics;
- Translational medicine;
- High-performance computing;
- Time-course data analysis;
- Data preprocessing and cleaning;
- Meta-analysis in biomedical research;
- Standards for biomedical/clinical/healthcare data.

Guest Editor

Dr. Je-Keun Rhee

Department of Bioinformatics & Life Science, Soongsil University, Seoul 06978, Korea

Deadline for manuscript submissions

closed (10 October 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/59062

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

mdpi.com/journal/

[appls](https://appls.mdpi.com)





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)