

# Special Issue

## AI & Machine Learning in Bioinformatics and Healthcare Informatics

### Message from the Guest Editors

AI and machine learning have been applied to bioinformatics and healthcare informatics in analysing omics data, electronic health records, medical imaging, biomarkers and lifestyle data. In this Special Issue titled “AI and Machine Learning in Bioinformatics and Healthcare Informatics”, we seek original regular, review articles, innovative methods and protocols, and reports on AI and machine learning with applications to bioinformatics and healthcare informatics. Additionally, selected papers from CERC2021, the Machine Learning and Artificial Intelligence in Bioinformatics and Medical Informatics (MABM2021) Workshop, and Integrative Data Analysis in Systems Biology Workshop (IDASB2021), in conjunction with BIBM2021, are particularly invited to this Special Issue.

### Guest Editors

Prof. Dr. Huiru Zheng

Dr. Haiying Wang

Prof. Dr. Matthias L. Hemmje

Dr. Felix Engel

### Deadline for manuscript submissions

closed (30 November 2023)



## Methods and Protocols

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.0  
CiteScore 3.9  
Indexed in PubMed



[mdpi.com/si/90393](https://mdpi.com/si/90393)

*Methods and Protocols*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[mps@mdpi.com](mailto:mps@mdpi.com)

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

[mps](https://mdpi.com/journal/)





# Methods and Protocols

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.0  
CiteScore 3.9  
Indexed in PubMed



[mdpi.com/journal/  
mps](https://mdpi.com/journal/mps)



## About the Journal

### Message from the Editor-in-Chief

*Methods and Protocols* (ISSN 2409-9279) is an open access journal devoted to the publication of new procedural approaches and cutting-edge methodological developments. The ultimate objective of this new forum of scientific communication is to provide researchers with an indispensable tool, enabling better use of the latest scientific technologies. With a broad and totally interdisciplinary focus, *Methods and Protocols* was established with the objective of facilitating cross-fertilization and cross-talk in the scientific arena. Methods and protocols in Life Sciences, Chemistry, Biomedical Sciences, Engineering, and in their intersections such as Biotechnology and Nanotechnology will constitute the core of the journal. However, we anticipate that other fundamental disciplines such as Physics or Geology will be rapidly incorporated.

---

### Editor-in-Chief

Prof. Dr. Fernando Albericio  
School of Chemistry and Physics, University of KwaZulu-Natal, Durban,  
South Africa

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, ESCI (Web of Science), PubMed, PMC, CAPus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q2 (Biochemistry, Genetics and Molecular Biology (miscellaneous))