

Special Issue

Advances in Biomedical Image Processing and Analysis

Message from the Guest Editors

Biomedical image analysis plays a vital role in diagnosing numerous pathologies, ranging from infectious diseases to cancer. Authors are invited to submit papers reporting novel imaging methods with biomedical applications to this Special Issue. Topics of interest include, but are not limited to, the following:

Computer-aided diagnosis;
Imaging biomarkers;
Image reconstruction;
Image registration;
Image segmentation;
Integration of imaging with non-imaging biomarkers;
Interpretability and explainability of machine learning;
Machine learning for biomedical applications;
Advances in machine learning methods;
COVID-19 and imaging;
Biomedical and biological image processing;
Deep learning for biomedical imaging;
Histopathological image analysis;
Mixed, augmented, and virtual reality;
Visualization in biomedical imaging.
Survey papers and reviews are also welcomed.

Guest Editors

Dr. Michalis Vrigkas
Prof. Dr. Christophoros Nikou
Dr. Ioannis A. Kakadiaris

Deadline for manuscript submissions

closed (30 June 2023)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/80988

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)