Special Issue

Image Processing and Computer Vision for Biomedical Applications

Message from the Guest Editor

In recent years, information technology has been integrated into several medical procedures with the aim of assisting medical doctors in disease prevention, diagnosis, treatment and surgery. Biomedical informatics is a relatively new field at the intersection of computer science and biology. Of all the fields of informatics involved in biomedical applications, image processing and computer vision seem to be the most prominent. Examples of the exploitation of these computer science fields in medicine is the early diagnosis of breast cancer from mammograms, the early diagnosis of macular degeneration from optical coherence tomography or the early identification of the best embryos for IVF implantation. The Special Issue encourages potential authors to submit their research on image processing and computer vision techniques for biomedical applications:

- Brain and spinal cord anomaly detection.
- The detection of injuries and abnormalities in joints.
- Tumor and cyst detection.
- Abdominal organs disease diagnosis.
- Heart problems detection.

Guest Editor

Prof. Dr. Athanasios Nikolaidis

Department of Informatics, Computer and Telecommunications Engineering, International Hellenic University, Terma Magnesias Str., 62124 Serres, Greece

Deadline for manuscript submissions

closed (20 April 2024)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/140269

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

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)

MDPI