



Advanced Image Analysis and Processing for Biomedical Applications

Guest Editors:

Dr. Francesco Isgro

Dr. Andrea Apicella

Dr. Domenico Tegolo

Dr. Cesare Valenti

Dr. Roberto Prevete

Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editors

This Special Issue aims to provide an assorted and complementary collection of contributions showing new advancements and applications of advanced imaging analysis and processing in the biomedical imaging area. The ultimate objective is to promote research and advancement in the field, by publishing high-quality research articles and reviews in this rapidly growing interdisciplinary field.

Topics of interest include, but are not limited to, the following:

- Image enhancement, segmentation, registration, and fusion for biomedical applications;
- Image acquisition and processing for biomedical applications;
- Computer-aided diagnosis, surgery, therapy, treatment, and telemedicine systems;
- Application of machine learning and artificial intelligence in medicine;
- Mobile applications and low-cost systems;
- Deep learning for biomedical image analysis;
- Natural language processing for biomedical image analysis;
- Bio-inspired contour detection;
- Biomedical ultrasonics;
- Fluorescence image analysis;
- Super-resolution microscopy;
- Virtual surgery





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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.

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Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
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