



## Advanced Medical Imaging Technologies and Applications

Guest Editors:

**Prof. Dr. Xiaoshuang Shi**

Department of Computer Engineering and Applications, University of Electronic Science and Technology of China, Chengdu, China

**Dr. Lei Cui**

College of Information Science and Technology, Northwest University, Xi'an 710127, China

Deadline for manuscript submissions:

**closed (30 October 2023)**

### Message from the Guest Editors

This Special Issue focuses on bridging the gap among medicine, biology, imaging, and computer-aided systems. Its scope not only contains various types of medical imaging achieved by modalities including microscopy, ultrasound, X-rays, magnetic resonance, radionuclides, microwaves, and optical methods, but also consists of novel medical image processing and analysis, visualization and performance, feature extraction, segmentation, detection, pattern recognition, and machine learning methods. Strong application papers with novel methods are extremely encouraged. We also strongly encourage researchers to release their source codes and biomedical image datasets.

Prof. Dr. Xiaoshuang Shi

Dr. Lei Cui

*Guest Editors*





an Open Access Journal by MDPI

## 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.

## 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, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[appls@mdpi.com](mailto:appls@mdpi.com)  
[X@Appls](https://twitter.com/appls)