

Special Issue

Texture Analysis Application in Medicine

Message from the Guest Editor

Disease determination and treatment suggestions are based on uni- or multimodal medical image analysis. Nowadays, visual inspection of these data makes the diagnosis dependent on the physicist's experience and training. Yet, computer-aided medicine endeavors to establish comparable solutions between medical centers, assuring high standards. Therefore, the progress and automatization of medical image understanding are necessary to support technological development in this domain.

Several medical data analysis methods based on texture analysis have been developed in recent years, leading to significant advances in the field. The automatic analysis of medical data is one of the most active areas in computer vision research. This Special Issue seeks original technical and review papers on the latest applications of texture analysis in medicine. Topics of interest include, but are not limited to, the following:

- Medical image processing and understanding
- Computed tomography
- Micro-computed tomography
- Cone beam computed tomography
- Optical coherence tomography
- Magnetic resonance
- Ultrasonography
- Whole-slide imaging
- Computer-aided diagnosis

Guest Editor

Dr. Karolina Nurzynska

Faculty of Automatic Control, Electronics and Computer Science,
Silesian University of Technology, Akademicka 16, 44-100 Gliwice,
Poland

Deadline for manuscript submissions

closed (15 March 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/184824

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)