Special Issue

Medical Image Processing and Analysis Methods for Cancer Applications

Message from the Guest Editors

We are pleased to announce the opening of a new Special Issue in the Applied Sciences journal. Medical image processing and analysis have a relevant role in cancer diagnosis, prognosis, and treatment response. The recent improvements in image enhancement, registration, segmentation, and quantitative imaging, together with artificial intelligence and the availability of large databases, have led to more accurate classification and prediction models for computer-aided diagnosis. In addition, the combination of image-based features with other types of data (e.g., omics data), such as radiogenomics, has opened new research fields and gives novel insights into the relationship between tumor genotype and phenotype. This Special Issue is focused on the most recent developments of biomedical image processing and analysis methods and their robustness evaluation for cancer applications, considering distinct imaging modalities (e.g., CT, MRI, X-ray, PET, SPECT, US) adopted for cancer detection, diagnosis, prognosis, and treatment response evaluation. It is our great pleasure to invite you to submit a manuscript for this Special Issue.

Guest Editors

Dr. Elisa Scalco
Istituto di Tecnologie Biomediche, Consiglio Nazionale delle Ricerche, Via Fratelli Cervi 93, 20090 Milan, Italy

Dr. Wilfrido Gómez-Flores
Centro de Investigación y de Estudios Avanzados del IPN, Unidad Tamaulipas, Parque TECNOTAM, Ciudad Victoria 87130, Mexico

Deadline for manuscript submissions

closed (20 June 2022)

Applied Sciences

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