Advances in Biomedical Image Processing and Analysis

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Deadline for manuscript submissions:
closed (30 June 2023)

Message from the Guest Editors

Dear Colleagues,

Biomedical image analysis plays a vital role in diagnosing numerous pathologies, ranging from infectious diseases to cancer. Authors are invited to submit papers reporting novel imaging methods with biomedical applications to this Special Issue. Topics of interest include, but are not limited to, the following:
Computer-aided diagnosis;
Imaging biomarkers;
Image reconstruction;
Image registration;
Image segmentation;
Integration of imaging with non-imaging biomarkers;
Interpretability and explainability of machine learning;
Machine learning for biomedical applications;
Advances in machine learning methods;
COVID-19 and imaging;
Biomedical and biological image processing;
Deep learning for biomedical imaging;
Histopathological image analysis;
Mixed, augmented, and virtual reality;
Visualization in biomedical imaging.

Survey papers and reviews are also welcomed.

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Guest Editors

Special Issue

Editor-in-Chief

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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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