



AI Technologies in Biomedical Image Processing and Analysis

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Message from the Guest Editors

Dear Colleagues,

Medical imaging is developing rapidly thanks to enormous progress achieved in image processing and analysis. Such developments are largely due to AI: by simplifying data interpretation through sophisticated mathematical algorithms, AI has shown, in recent years, to be capable of assisting radiologists and clinicians in detecting diseases, assessing severity and prognosis, or automatically recognizing and quantifying disease features.

AI is becoming a valuable tool that, on one hand, if combined with the human expertise of radiologists and clinicians, may offer vast potential to the healthcare industry. On the other hand, MDs want to have insight into how the algorithms or outcomes are calculated instead of just seeing an AI black box.

This Special Issue will focus on AI-based solutions and technologies developed to meet the challenges of biomedical image processing and analysis. It will identify innovative AI-based approaches for disease detection, diagnosis, severity assessment and prognosis prediction.

The Special Issue will welcome submissions of original research articles, case studies, and critical reviews.





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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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