

Special Issue

Artificial Intelligence and Radiomics in Computer-Aided Diagnosis

Message from the Guest Editors

Radiologists and pathologists today use tools to assist them in analysing biomedical images. They are known as computer-aided diagnosis (CAD) systems and they allow us to mitigate or eliminate the difficulties caused by inter- and intra-observer variability, represented by various assessments of the same region under the same assumptions by the same physician at different times and various assessments of the same region by several physicians, thanks to appropriate algorithms. This Special Issue aims to provide an overview of recent advances in the field of biomedical image processing in medical imaging using machine learning, deep learning, artificial intelligence, and radiomics features. In particular, the ultimate goal is to analyse how these techniques can be employed in the typical medical image processing workflow from image acquisition to classification, including retrieval, disease detection, prediction, and classification. This Special Issue deals with, but is not limited to, the following topics: Biomedical image processing; Machine and deep learning techniques for image analysis; Image registration techniques; Image preprocessing techniques.....

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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.

Editor-in-Chief

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