Special Issue

Artificial Intelligence and Radiomic Analysis in Medicine

Message from the Guest Editors

Today, the applications of Artificial Intelligence (AI) are of increasing use in medicine, from diagnostic imaging to oncology, radiotherapy, dosomics, and surgery. AI is leading to a significant evolution of the systems supporting researchers and the scientific method. The paradigms of AI allow you to create machines capable of reasoning, perceiving reality, learning from examples, identifying models and grouping data and information. In recent years, the works published in the literature and the investments of companies in these sectors have increased exponentially to indicate a growing interest in these issues. Many works in the literature refer to machine learning (deep learning) in general and, more specifically, to CAD and neural networks but the applications range from the detection and characterization of tumors to diagnostic-therapeutic pathways, prognostic and predictive markers of diseases. This Special Issue aims to present artificial intelligence progress and development models for personalized medicine. It will be an opportunity to exchange research results and new techniques developed in this biomedical research field with promising prospects.

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Deadline for manuscript submissions

closed (20 December 2022)

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.

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