Advances in Intelligence Artificial Algorithms Applied to Medical Imaging

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Message from the Guest Editors

Dear Colleagues,

Artificial intelligence algorithms have gained momentum in the scientific community. In the medical domain, advances in the implementation of new tools based on deep learning models or methodologies have become crucial to solving multiple medical issues. These tools are mainly related to problems involving techniques such as classification, segmentation, registration, and interpretability. Given their importance to the medical domain, their efficient solution is of paramount importance, either for research or in real practice. On the other hand, most of the problems in this field have significant computational complexity.

With this Special Issue, we aim to disseminate the latest findings and research achievements using artificial intelligence algorithms in the medical imaging domain. To this end, scholars and researchers from academia and the medical domain are invited to submit high-quality original contributions to this Special Issue.

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Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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