Special Issue

Advanced Machine Learning Algorithms for Biomedical Data and Imaging

Message from the Guest Editor

Deep learning is one of the most important revolutions in the field of artificial intelligence over the last decade. It has achieved great success in different tasks in computer vision, image processing, biomedical analysis and related fields. Researchers in deep and shallow machine learning, including those working in computer vision, image processing, biomedical analysis and related fields, when working with experienced clinicians, can play a significant role in the understanding of and work on complex medical data, which ultimately improves patient care. Developing a novel deep or shallow machine learning algorithm specific to medical data is a main challenge and need at present.

This Special Issue aims to bring together the current research progress from both academia and industry on novel machine learning methods. Special attention will be devoted to handling feature selection, class imbalances, and data fusion in biomedical and machine learning applications. This will attract medical experts who have access to interesting sources of data but lack the expertise in the effective use of machine learning techniques.

Guest Editor

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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