

Special Issue

Classification, Diagnosis and Prognosis of Diseases Using Machine Learning Algorithms 2023

Message from the Guest Editors

The arrival of the third millennium has brought impressive developments and advances in machine learning algorithms. Recent advances in deep learning, the algorithms of which are accelerated with CUDA hardware cards, deserve special mention. The applications of this type of algorithm have permeated a wide range of human activities, including the sensitive area of health research. The contents of high-impact research journals bear witness to the efforts of scientists on such relevant topics as the classification, diagnosis and prognosis of diseases. Given the speed with which these investigations are advancing, due to the rapid development of new hardware, software and application platforms, it is necessary to promote new investigations that support physicians and health researchers. This Special Issue seeks unpublished contributions of high scientific quality on the topic of the classification, diagnosis and prognosis of diseases using machine learning algorithms.

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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