Special Issue

Decision Support Systems for Disease Detection and Diagnosis

Message from the Guest Editor

The fusion of technology and medical science produces significant innovations that greatly contribute to human health and to people's quality of life. In fact, health technology helps clinicians to screen abnormalities and contributes to the diagnosis of clinical signs. Projections into the future predict an even greater role for technology in medical practice, especially in the application of computer-aided equipment. In particular, decision support systems (DSS) are becoming important tools in supporting physicians, particularly when both diagnostic signals are complex to analyze (due to their low quality) and a high number of examinations have to be studied. This Special Issue addresses the most recent research on the development of computer-aided detection and diagnosis systems able to assist medical staff during clinical routine in detecting/diagnosis diseases.

- New approaches for biosignal/bioimage processing and analysis;
- Methods for classification of biosignals;
- Biosignal/bioimage feature extraction;
- Procedures to improve the quality of biosignals;
- Artificial Intelligence tools for biosignal/bioimage analysis.

Guest Editor

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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.

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