

## Special Issue

# Evolutionary Computation in Biomedical Signal Processing

### Message from the Guest Editors

This Special Issue delves into this frontier where evolutionary computation meets biomedical signal processing. Potential topics encompass, but are not confined to: Evolutionary algorithms for signal feature selection and time–frequency analysis Genetic programming for filter optimization, automated diagnosis and event detection Evolutionary optimization of neural networks wavelets and deep learning Swarm intelligence for parameter tuning Differential evolution for artifact removal Genetic algorithms for EEG analysis Particle swarm optimization in cardiovascular signals Ant colony optimization for feature extraction Evolutionary optimization in wearable devices Multi-objective optimization for healthcare Cultural algorithms for bioacoustic signals Hybrid evolutionary algorithms in bioinformatics Evolutionary techniques in biomedical imaging Biogeography-based optimization in signal models

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### Guest Editors

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### Deadline for manuscript submissions

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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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### Editor-in-Chief

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