Aims & Scope: The aim of the “Biomedical Signal and Image Processing Techniques for Healthcare Technologies” special issue is to analyse various research information regarding processing techniques and innovations for the biomedical signal and images, disease identification process, health information, assistive technologies, and other disease diagnosis processes. During the medical signal/images and health information examination process, the experts are faced with several difficulties which lead to reducing efficiency in medical fields. So, this special issue aims to invite various medical research articles, research insights, engineer’s thoughts, and ideas for solving biomedical signal/imaging and health-related research problems from a future perspective. As a result, the journal receives the usual and taught articles in all facets of including theoretical reports, realistic purposes, new scientific and experimental prototypes.

The authors are requested to send their original manuscripts in the special issue on “Biomedical Signal and Image Processing Techniques for Healthcare Technologies”. This special issue calls for the original paper that discusses the latest developments, trends, and solutions. Topics of interest include, but are not limited to: Biomedical Signal and Images (ECG, EEG, EMG, PPG, MRI, CT Images, Mammogram, US Image, etc.) based medical disease diagnosis process with relevant treatment procedures, Health care information, standards, and relevant health services, Techniques for Compression, Enhancement, Classification, and other applications, Computer added Technique based signal and image analysis, Machine learning based automatic disease identification system, Optimization methods and relevant studies for Biomedical Signal and Image processing techniques, E-health applications, IOT based Healthcare using medical signals and images.

Keywords: Biomedical Signal Processing, Medical Image Processing, Healthcare, Medical Informatics

Subtopics:
The subtopics to be covered within this issue are listed below:

- Biomedical signal Processing: ECG, EEG, EMG, EOG, PPG, etc. (Classification, Compression, Enhancement, Feature extraction, and other applications)
- Medical Image Processing: CT, MRI, Mammogram, US Image, etc (Processing and application for healthcare)
- Healthcare assistive technologies, IOT based Health-care, E-health, etc.

Schedule:

- Manuscript submission deadline: 11 June 2018
- Peer Review Due: 31 July 2018
- Revision Due: 15 August 2018
- Announcement of acceptance by the Guest Editors: 25 August 2018
- Final manuscripts due: 31 August 2018

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