

Call for special issue of extended papers from the conference PDGC-2018 in
International Journal of Biology and Biomedical Engineering

Title of the Conference

Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC#2018)

Organizer of the Conference

Department of CSE and IT, Jaypee University of Information Technology, Wanknaghat, Solan, Himachal Pradesh, India.

Aim and Scope

In recent years, the integrity of the several applications to the computer communication networks makes the human being more social and dependable on the remote healthcare and E-healthcare services. This can be the case of the awareness by using the services of social networks and media, but the major factor is due to the high-performance computing and innovation in the biomedical sciences. The multimedia data of a critical patient can be transferred from remote locations to the experts over smart networks. However, data is in a big amount because it is constantly updated, therefore to handle this, other innovative technologies such as Big data, cloud computing, artificial intelligence also play a key role. Also, when we consider healthcare or biomedical data of patient then the most challenging task is to keep the patient health data confidential, therefore, certain security and privacy schemes are also requested.

The objective of this special issue is to concentrate on all aspects and future research directions related to this specific area in biomedical sciences. In this context, we invite researchers to contribute original research articles as well as highly review articles that will seek the continuing efforts to understand the supportive innovative techniques that lead to future improvements for providing reliable healthcare services.

Topics

The topics of interest include, but are not limited to:

- Distributed Systems
- Network-based Reliable Computing for Critical Healthcare Routing
- Cluster and Grid Computing
- Cloud Computing
- Multimedia and Service Networking
- Biomedical Image Processing
- Big Data Computing
- Security and Privacy and Petri Nets
- Artificial Intelligence
- Neural Networks and Fuzzy Logic in Biomedical
- Biologically Inspired Computing
- Systems Biology
- Cyber Physical Systems for E-healthcare
- Wireless Sensor Networks for E-healthcare

The Conference PDGC-2018 is approved by IEEE Xplore and Scopus Indexed as well.