



# Journal of Medical Imaging and Health Informatics (JMIHI): 2015's SCI-IF 0.877

A medium to disseminate novel experimental and theoretical research results in the field of biomedicine, biology, clinical, rehabilitation engineering, medical image processing, bio-computing, D2H2, and other health related areas.

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## Call for Papers

### Special Issue on

## “Special Issue on Soft Computing Approaches for Biomechanics and Bioinformatics”

Bioinformatics and Biomechanical is a promising and innovative research field in upcoming years. Despite of a high number of techniques specifically dedicated to bioinformatics and biomechanical problems as well as many successful applications, we are in the beginning of a process to massively integrate the aspects and experiences in the different core subjects such as biology, medicine, computer science, engineering, chemistry, mechanical, physics, and mathematics. The basic problems in bioinformatics like protein structure prediction, multiple alignment, phylogenetic inference etc. This issue will addresses computationally demanding numerical formulations in the biomechanics of soft tissues. One of the factors that complicate near-complete tumor resection is the craniotomy-induced brain shift that occurs during neurosurgery. The special issue will focus on soft computing in techniques demonstrates the high standards of technology, algorithms, and tool paradigm in bioinformatics and biomechanical with particular emphasis on integrative research.

### Topics

- Biocompatibility
- Bioinformatics Engineering
- Bioelectrical and neural engineering
- Bioinformatics and Computational Biology

- Biomedical imaging, image processing & visualization
- Biomedical robotics and mechanics
- Biometric and bio-measurement
- Biopharmaceuticals
- Biostatistics and Stochastic Models
- Computational drug discovery
- Computational Systems Biology
- Evolution and phylogenetics
- Evolution of regulatory genomic sequences
- Genetic network modeling and inference
- Genomics and Proteomics
- Health monitoring systems and wearable system
- High-performance computing and applications in biology
- Immuno- and Chemo-informatics

### **Important dates:**

Manuscript Due: 28 January 2017

First Round of Reviews: 10 April 2017

Revised manuscript due: 19 May 2017

Publication Date: Septemeber 2017

### **Paper Submission**

Refer journal website.

**Please submit Manuscripts using the msTracker system, available at <http://mstracker.com>. Authors must mention in their cover letter that the particular manuscript is for this special issue and the name of Lead guest editor so that the guest editor can be notified separately.**

### **Guest Editors**

- Dr.S.Smys, Research Director, Inventive Research Organization, Coimbatore, Tamilnadu, India. {smys@iroglobal.com}
- Dr. Joy Iong-Zong Chen, Professor, Electrical Engineering, Dayeh University, Taiwan. {jchen@mail.dyu.edu.tw}
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