



**Computational  
Intelligence  
Applications in  
Medicine and  
Biology**

## ESJ Special Edition



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### Overview of Special Edition

Over the past 20 years, computational approaches to problems in medicine and biology have proven increasingly fruitful. Advances have been made in making biological and health data computable through the use of ontologies and other data representation methods. Clustering, machine classification, and computer simulation have provided insights into problems in biology and medicine. Patient distance and patient similarity measures are playing an increasing role in precision medicine, genomics, and proteomics. This Special Edition is devoted to exploring the use of computational intelligence to address important issues in human disease and human biology.

### Papers in the following academic disciplines are welcomed:

Neural networks in medicine

Deep Learning in medicine

Machine Learning in medicine Computer modeling  
and simulation in biology and medicine Natural  
language processing

Classification in medicine

Clustering in medicine

Patient similarity and distance

Applications of ontologies to medicine

### Submissions:

Submit your paper as a Microsoft Word document to [contact@eujournal.org](mailto:contact@eujournal.org) or

[hierd@mst.edu](mailto:hierd@mst.edu)

### Timeframe:

Submission Deadline	October 1, 2021
First decision Peer Review	November 1, 2021
Revisions Due	December 15, 2021
Final Decision Due	December 31, 2021
Publication Date	January 31, 2022

**Language:** English

**Peer Review Procedure:** Single blind.

**Publication Fee:** Manuscript fees are waived for this special edition.

### Types of Manuscripts Accepted for review:

Original research

Literature reviews

Hypotheses

Reviews of conceptual framework

Simulations and algorithms

Summarizations of prior work

Work in progress and Preliminary Results