



## Computational Intelligence in Healthcare

Guest Editors:

**Dr. Giovanna Castellano**

Department of Computer  
Science, University of Bari Aldo  
Moro, Via Orabona, 4-70125 Bari,  
Italy

**Dr. Gabriella Casalino**

Department of Computer  
Science, University of Bari Aldo  
Moro, Via Orabona, 4-70125 Bari,  
Italy

Deadline for manuscript  
submissions:

**closed (31 December 2020)**

### Message from the Guest Editors

Computational intelligence (CI) methods such as fuzzy models, artificial neural networks, evolutionary algorithms, and probabilistic methods have recently emerged as promising tools for the development and application of intelligent systems in healthcare practice. CI-based systems can learn from data and evolve according to changes in the environments by taking into account the uncertainty characterizing health data and processes. The use of CI in healthcare can improve the management of clinical disease by introducing intelligent solutions for prevention, diagnosis, treatment, and follow-up, as well for analysis of administrative processes.

This Special Issue will publish original research, overviews, and applications of CI methods for Healthcare. Areas of interest include, but are not limited to the following:

- Fuzzy logic and fuzzy models for healthcare
- Evolutionary computing for healthcare
- Artificial neural networks for healthcare
- Probabilistic models for healthcare
- CI and Big data in healthcare
- Data mining in healthcare
- CI applications in healthcare

***Open for Submissions!***





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Flavio Canavero**

Department of Electronics and  
Telecommunications,  
Politecnico di Torino, 10129  
Torino, Italy

## Message from the Editor-in-Chief

*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

**Journal Rank:** JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

## Contact Us

---

Electronics Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/electronics](http://mdpi.com/journal/electronics)  
[electronics@mdpi.com](mailto:electronics@mdpi.com)  
[X@electronicsMDPI](https://x.com/electronicsMDPI)