# **Special Issue**

# Intelligent Diagnosis and Decision Support in Medical Applications

# Message from the Guest Editors

Medical decision support systems assist health professionals in diagnoses, intervention/treatment planning, outcome predictions, as well as the identification of potential risks. The interest in intelligent methods is to increase the efficiency and accuracy of medical decision making, leading to better patient outcomes, particularly in the era of big and complex data analysis. Machine learning and soft computing tools offer the ability to process large amounts of data. as well as incomplete or conflicting data, efficiently and accurately, which is particularly important in critical medical decision making. This Special Issue will be dedicated to current trends in intelligent models for diagnosis/differential diagnosis and medical decision support. **Keywords** artificial intelligence in diagnosis/differential diagnosis clinical decision support machine learning complex data analysis soft computing

## **Guest Editors**

Prof. Dr. Voula Georgopoulos

Department of Speech and Language Therapy, School of Health Rehabilitation Sciences, University of Patras, 26504 Patras, Greece

Prof. Dr. Chrysostomos Stylios

Department of Informatics and Telecommunications, University of Ioannina, 45110 Ioannina, Greece

#### Deadline for manuscript submissions

closed (31 October 2024)



# Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



mdpi.com/si/153323

Applied Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 applsci@mdpi.com

mdpi.com/journal/applsci





# Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5 CiteScore 5.5



# **About the Journal**

# Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

# **Editor-in-Chief**

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

## **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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

