

## Special Issue

# Artificial Intelligence and Radiomic Analysis in Medicine

### Message from the Guest Editors

Today, the applications of Artificial Intelligence (AI) are of increasing use in medicine, from diagnostic imaging to oncology, radiotherapy, dosomics, and surgery. AI is leading to a significant evolution of the systems supporting researchers and the scientific method. The paradigms of AI allow you to create machines capable of reasoning, perceiving reality, learning from examples, identifying models and grouping data and information. In recent years, the works published in the literature and the investments of companies in these sectors have increased exponentially to indicate a growing interest in these issues. Many works in the literature refer to machine learning (deep learning) in general and, more specifically, to CAD and neural networks but the applications range from the detection and characterization of tumors to diagnostic-therapeutic pathways, prognostic and predictive markers of diseases. This Special Issue aims to present artificial intelligence progress and development models for personalized medicine. It will be an opportunity to exchange research results and new techniques developed in this biomedical research field with promising prospects.

---

### Guest Editors

Dr. Daniele La Forgia

IRCCS Istituto Tumori "Giovanni Paolo II", Bari, Italy

Dr. Marco Moschetta

Department of Emergency and Organ Transplantation, University of Bari Medical School, Piazza Giulio Cesare 11, 70121 Bari, Italy

Prof. Dr. Alberto Tagliafico

Department of Health Sciences, University of Genova, Genova, Italy

---

### Deadline for manuscript submissions

closed (20 December 2022)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/50740](https://mdpi.com/si/50740)

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

[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## 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, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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