

## Special Issue

# Artificial Intelligence (AI) in Cardiovascular Medicine

### Message from the Guest Editors

Cardiovascular diseases (CVDs) remain the leading global cause of morbidity and mortality, underscoring urgent need for early detection and timely intervention. Recent advances in artificial intelligence (AI) and machine learning offer transformative opportunities to improve cardiovascular health via more accurate, efficient, scalable diagnostic tools. From automated imaging and electrocardiographic data analysis to predictive modeling with electronic health records and wearables, AI reshapes how clinicians identify risk factors, detect early pathological changes, and guide personalized treatments. This Special Issue invites contributions on innovative AI methodologies for early CVD detection, risk stratification, prognosis. Topics include—but not limited to—deep learning for medical imaging, AI-powered biomarkers, multimodal data integration, predictive analytics, explainable AI in clinical practice, digital health/remote monitoring applications. Methodological advances and clinically oriented studies are welcome. Uniting research at AI-cardiovascular medicine intersection, this Special Issue aims to accelerate progress toward earlier diagnosis and improved patient outcomes.

### Guest Editors

Dr. Nilima Rajpal Kundhani

1. Prevention and Cardiovascular Recovery, Department VI-Cardiology, University Clinic of Internal Medicine and Ambulatory Care, "Victor Babes" University of Medicine and Pharmacy, 300041 Timisoara, Romania

2. Research Centre of Timisoara Institute of Cardiovascular Diseases, "Victor Babes" University of Medicine and Pharmacy, 300041 Timisoara, Romania.

Dr. Mihaela Adela Iancu

11nd Family Medicine Department, "Carol Davila" University of Medicine and Pharmacy, 020021 Bucharest, Romania

### Deadline for manuscript submissions

1 October 2026



## Medical Sciences

an Open Access Journal  
by MDPI

Impact Factor 4.4  
CiteScore 8.7  
Indexed in PubMed



[mdpi.com/si/255685](https://mdpi.com/si/255685)

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

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

[medsci](https://medsci)





# Medical Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.4  
CiteScore 8.7  
Indexed in PubMed



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



## About the Journal

### Message from the Editor-in-Chief

---

#### Editor-in-Chief

Prof. Dr. Antoni Torres

1. Institut D investigacions August Pi I Sunyer (IDIBAPS), Department of Pulmonology, Hospital Clinic de Barcelona, Universidad de Barcelona, 08036 Barcelona, Spain

2. Centro de Investigación Biomédica en Red en Enfermedades Respiratorias (CIBERES), Instituto de Salud Carlos III, 28029 Madrid, Spain

---

#### Author Benefits

##### High Visibility:

indexed within Scopus, ESCI (Web of Science), PubMed, PMC, MEDLINE, CAPus / SciFinder, and other databases.

##### Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)

##### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 24.3 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).