

Special Issue

Transforming Healthcare with Artificial Intelligence: From Algorithms to Patient Impact

Message from the Guest Editors

Artificial Intelligence (AI) is reshaping the landscape of modern healthcare, offering new tools to improve diagnostics, enhance clinical decision-making, optimize resource allocation, and personalize patient care. However, translating algorithmic performance into a meaningful, measurable impact on health outcomes remains a major challenge. This Special Issue aims to explore the full spectrum of AI applications in healthcare, with particular emphasis on real-world implementation, clinical relevance, and patient-centered outcomes. We invite original research articles, reviews, and case studies that address the development, validation, and integration of AI models in various healthcare settings. Topics of interest include—but are not limited to—predictive modeling, clinical decision support systems, medical image and text analysis, wearable technologies, remote monitoring, explainable AI, and the ethical implications of AI in clinical practice. Submissions that go beyond algorithmic novelty and provide insights into usability, interoperability, health system integration, and demonstrated patient or organizational impact are especially encouraged.

Guest Editors

Dr. María Blanco-Díaz

1. Surgery and Medical Surgical Specialties Department, Faculty of Medicine and Health Sciences, University of Oviedo, Oviedo, Asturias, Spain

2. Physiotherapy and Translational Research Group (FINTRA-RG), Institute of Health Research of the Principality of Asturias (ISPA), Faculty of Medicine and Health Sciences, Universidad de Oviedo, 33006 Oviedo, Spain

Dr. Alvaro Manuel Rodríguez-Rodríguez

Department of Mathematics, University of Oviedo, 33007 Oviedo, Spain

Deadline for manuscript submissions

26 September 2026



Healthcare

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 4.7
Indexed in PubMed



mdpi.com/si/244876

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

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





Healthcare

an Open Access Journal
by MDPI

Impact Factor 2.7
CiteScore 4.7
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

Healthcare is an international, peerreviewed, open access, multidisciplinary journal. Original research articles, short communications, review articles, and symposium highlights are welcomed.

Healthcare hopes to influence global health and disease aspects, and hopes to gain high visibility and acceptance by the scientific and healthcare community and will dedicate itself to covering special and specific topics in special issues.

We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Lorraine S. Evangelista

Louise Herrington School of Nursing, Baylor University, Dallas, TX
75246-1754, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), PubMed, PMC, and other databases.

Journal Rank:

JCR - Q2 (Health Policy and Services) / CiteScore - Q1 (Leadership and Management)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).