

Special Issue

Integration of Artificial Intelligence (AI), Virtual/Augmented Reality (VR/AR) and Machine Learning (ML) in Clinical Practice: Patient Care, Clinician–Patient Interaction, and Clinical Decision-Making

Message from the Guest Editors

Artificial Intelligence (AI), Virtual Reality/Augmented Reality (VR/AR), and Machine Learning (ML) technologies provide useful tools for diagnostic support, prediction analytics, and individualized treatment planning, enabling clinicians to make more informed and timely decisions. Given the limited clinical evidence of potential for VR/AR, AI, and ML to enhance patient care, rehabilitation, and doctor–patient relationships, this Special Issue seeks to gather innovative contributions from the research community. This Special Issue invites original research, systematic reviews, and case studies on the integration of AI, VR/AR, and ML in clinical environments. Topics can range from physician support systems, patient-centered applications, education in medicine, and clinical decision-making to the ethical considerations involved in introducing these technologies. Overall, the proposed Special Issue aims to bring together interdisciplinary perspectives to highlight innovations that can transform the provision of healthcare, improve patient outcomes, and empower medical professionals in practice.

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Deadline for manuscript submissions

1 September 2026



Healthcare

an Open Access Journal
by MDPI

Impact Factor 2.7

CiteScore 4.7

Indexed in PubMed



mdpi.com/si/253645

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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

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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).