
Special Issue on AI Applications in Medicine and Healthcare

Call for Papers

AI Applications in Medicine and Healthcare is an interdisciplinary field exploring the use of artificial intelligence to advance medical research, clinical practice and healthcare delivery. It encompasses machine learning, medical imaging, intelligent diagnosis, clinical decision support, drug discovery, personalized medicine, predictive analytics and healthcare management. The field aims to improve diagnostic accuracy, treatment outcomes, operational efficiency and patient care while addressing emerging challenges in data security, ethics, explainability and responsible AI.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on **AI Applications in Medicine and Healthcare**. Potential topics include, but are not limited to:

- AI-Assisted Medical Imaging and Radiological Diagnosis
- Machine Learning for Clinical Decision Support
- Health Data Analytics
- Computational Pathology
- Predictive Analytics and Risk Assessment in Healthcare
- Precision and Personalized Medicine
- Natural Language Processing in Healthcare
- Robotics and Intelligent Systems in Medicine
- Computer-Assisted and Autonomous Robotic Surgical Interventions
- Digital Therapeutics, Conversational AI and Mental Health Analytics
- Telemedicine, Remote Monitoring and Digital Health Platforms
- Wearable Health Technologies
- Public Health AI: Outbreak Forecasting, Pandemic Response and Resource Allocation
- AI-Driven Drug Discovery and Development
- Biomedical Informatics and Multi-omics Integration
- AI-Enabled Digital Health and Remote Care
- AI in Healthcare Management and Resource Optimization
- Virtual Health Assistants & Chatbots
- Ethical, Explainable and Trustworthy AI in Healthcare

Authors should read over the journal's [For Authors](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).



Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue – AI Applications in Medicine and Healthcare**” should be chosen during your submission.

According to the following timetable:

Submission Deadline	November 29th, 2026
Publication Date	January 2027

For publishing inquiries, please feel free to contact the Editorial Assistant at submission.entrance1@scirp.org

JCC Editorial Office