

Special Issue

Innovations in Diagnostic Radiology: AI, Advanced Imaging and Precision Medicine

Message from the Guest Editor

This Special Issue explores the broader and more holistic role of artificial intelligence (AI) across the entire radiological workflow. We welcome submissions that examine how AI technologies—including agents, automation tools, foundation models, and vision-language models (VLMs)—can enhance efficiency, consistency, and precision across medical imaging practices. Relevant topics include automated report generation, AI-guided protocol planning, intelligent triage systems, quality control, and robust classification algorithms that reduce human error. We are particularly interested in contributions demonstrating how AI can streamline operations, improve communication between departments, and support personalized clinical decision-making. Beyond model performance, this Issue focuses on clinical integration, interpretability, and the practical utility of AI systems in real-world environments. We welcome original research and reviews that highlight the impact of AI across diverse imaging modalities (MRI, CT, PET, ultrasound, and X-ray), with a strong focus on real-world application, reliability, and improved patient care.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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