

Special Issue

Advances in Medical Imaging: Techniques and Applications

Message from the Guest Editors

Medical imaging is fundamental to modern healthcare, supporting accurate diagnosis, therapeutic planning, and patient follow-up across a broad spectrum of diseases. This Special Issue aims to present cutting-edge research and innovative developments across various modalities, including computed tomography (CT), magnetic resonance imaging (MRI), ultrasound, radiography, interventional radiology and hybrid imaging techniques. Particular attention will be given to novel acquisition methods, image reconstruction algorithms, quantitative imaging, and image-guided interventions. Furthermore, the integration of artificial intelligence, deep learning, and big data analytics into medical imaging workflows is transforming clinical practice and decision-making processes. Contributions that address patient safety, radiation dose optimization, and quality assurance in imaging are also welcome. The goal of this Special Issue is to bring together researchers, clinicians, and industry experts to share knowledge, foster collaboration, and highlight future directions in medical imaging science and technology.

Guest Editors

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Deadline for manuscript submissions

closed (20 May 2026)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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