



# Journal of X-Ray Science and Technology

Special Issue:

## Medical Applications of X-Ray Imaging Techniques: Advances and Innovations

The *Journal of X-Ray Science and Technology* (JXST) is committed to promoting the latest advances in X-ray imaging technology. In this special issue, we will focus on the rapidly evolving field of medical applications of X-ray imaging techniques.

The scope of this special issue includes, but is not limited to, the following topics:

- Innovations in X-ray computed tomography (CT) for medical imaging, including high-resolution imaging, 3D reconstruction techniques, low-dose imaging, and real-time imaging
- Emerging X-ray imaging techniques in medical applications, such as X-ray phase-contrast imaging and X-ray diffraction imaging
- Development of new X-ray detectors and image processing algorithms for improved medical imaging
- Clinical applications of X-ray imaging, including its use in radiology, cardiology, oncology, and other medical specialties
- Integration of X-ray imaging with other medical imaging modalities, such as magnetic resonance imaging (MRI), ultrasound, and molecular imaging
- Advances in X-ray imaging for non-invasive diagnosis and treatment planning
- X-ray imaging in interventional radiology and minimally invasive therapies

We look forward to receiving your contributions to this exciting special issue of JXST. This special issue will provide a comprehensive overview of the latest advances and innovations in medical applications of X-ray imaging techniques and will be a valuable resource for researchers, clinicians, and industry professionals in the field.

**Keywords:** X-ray imaging, medical applications, computed tomography (CT), phase-contrast imaging, X-ray diffraction imaging, detectors, image processing, clinical applications, radiology, cardiology, oncology, integration, magnetic resonance imaging (MRI), ultrasound.

**Submissions:**

Before submission, authors should carefully go through the [Author Guidelines](#). The review process will follow the journal's practice. Authors are requested to submit their manuscript electronically to the journal's [Editorial Management System](#). The manuscript should be uploaded as one file with tables and figures included.

**Submission deadline:** October 30, 2023

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