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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