# **Special Issue**

# Sensing Technologies in Digital Radiology and Image Analysis

## Message from the Guest Editors

The rapid evolution of digital radiology and image analysis is transforming medical diagnostics, being primarily driven by cutting-edge sensing technologies. Advanced sensors, including high-resolution detectors, multispectral imaging systems, and Al-integrated sensor arrays, are enhancing the precision, speed, and accessibility of radiological imaging. These innovations enable the earlier detection of diseases, improved image quality, and reduced radiation exposure, addressing challenges in traditional imaging modalities. This Special Issue of Sensors aims to showcase the latest advancements in sensing technologies that are redefining digital radiology and image analysis. We invite contributions on novel sensor designs, Al-driven image processing, real-time imaging systems, and their clinical applications. Topics include, but are not limited to, lowdose imaging sensors, photon-counting detectors, wearable radiological sensors, and machine learning for automated image analysis. By highlighting interdisciplinary research, this Special Issue seeks to bridge sensor technology with clinical radiology, fostering innovations that improve patient outcomes and diagnostic workflows.

## **Guest Editors**

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## Deadline for manuscript submissions

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## Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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