Special Issue

Advances in Diagnostic Radiology

Message from the Guest Editors

This Special Issue, "Advances in Diagnostic Radiology", welcomes recent research in medical imaging. Potential topics include, but are not limited to, the following:

The use of artificial intelligence algorithms and machine learning for medical image analysis;Techniques that enable the visualisation and measurement of biological processes at the molecular level in the human body;

Safer and more effective contrast agents for the improved visualisation of biological structures and processes; Hybrid imaging by integrating multiple imaging techniques to obtain complementary information; Reducing exposure to ionising radiation without compromising image quality; Challenges in paediatric imaging;

Four-dimensional imaging technologies that capture three-dimensional data in real time; The development of portable and fast imaging devices for use in emergency rooms and intensive care units;

Affordable imaging devices for use in clinics and resource-constrained environments; Identifying the causes of and resolutions for errors that occur in image interpretation.

Guest Editors

Dr. Elisabeta Antonescu

Faculty of Medicine, Lucian Blaga University of Sibiu, 2A Lucian Blaga Str., 550169 Sibiu, Romania

Dr. Maria Totan

Faculty of Medicine, Lucian Blaga University of Sibiu, 2A Lucian Blaga Str., 550169 Sibiu, Romania

Deadline for manuscript submissions

20 February 2026

Applied Sciences

MDPI

About the Journal

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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

Author Benefits

Open Access:
free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:
indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:
JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

MDPI