

## Special Issue

# Developments of Diagnostic Imaging Applied in Radiotherapy

### Message from the Guest Editor

The field of application of the imaging modalities in radiotherapy workflow is wide and it is not easy to get a general overview of all the opportunities as well as their implications and pitfalls. Therefore, the present Special Issue aims to summarize the main aspects of diagnostic imaging application in the framework of radiotherapy. Topics of interest for this Special Issue include but are not limited to:

- role of imaging in radiotherapy planning
- role of imaging in post therapy follow-up
- image based adaptive radiotherapy
- hybrid technologies (e.g. MRI radiotherapy, ...)
- artificial intelligence and radiomics applied to radiotherapy
- role of imaging in re-irradiation
- role of imaging in the radionuclide therapy

---

### Guest Editor

Dr. Anna Sarnelli

Medical Physics Unit, Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) IRCCS, 47014 Meldola, Italy

---

### Deadline for manuscript submissions

closed (20 April 2024)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/si/116804](https://mdpi.com/si/116804)

*Applied Sciences*  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

[mdpi.com/journal/  
appls](https://mdpi.com/journal/appls)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.3



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## 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), Inspec, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)