Special Issue

Application of Artificial Intelligence in Radiation Oncology

Message from the Guest Editors

We invite submissions that explore the application of AI in various areas, including but not limited to the following:

- Improving medical imaging and diagnostics;
- Target and organ segmentation;
- Treatment planning and optimization;
- Adaptive radiation therapy;
- Predictive modeling of treatment outcomes;
- Enhancing patient safety and quality assurance;
- Automating clinical workflows;
- Personalizing cancer treatment;
- Identifying biomarkers for treatment response.

Contributions that address ethical considerations and other related topics on AI in radiation oncology are also welcome.

Guest Editors

Dr. Xiaofeng Yang

Dr. Lei Qiu

Dr. Tonghe Wang

Deadline for manuscript submissions

closed (20 June 2025)

MDPI

About the Journal

Message from the Editor-in-Chief

Cancers is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

Editor-in-Chief

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