

Special Issue

Advances in Medical Imaging and Radiation Therapy

Message from the Guest Editors

Medical imaging has become irreplaceable in healthcare, becoming crucial in addressing tumor-related pathologies and serving as a powerful alternative or adjunct to surgery, chemotherapy, and other pharmacological treatments. This Special Issue will offer an overview of recent advancements in imaging techniques, focusing on innovative approaches in nuclear medicine imaging, namely, PET and SPECT tomographies, and their complementarity with morphological CT and NMR. Regarding radiation therapies, the papers published in this Special Issue will explore a comprehensive range of modalities, providing the state of the art from conventional external beam radiotherapies to molecular radiotherapies.

This Special Issue could serve as a valuable resource for researchers, clinicians, and policymakers, aiming to exploit the full potential of these technologies for ever-increasing personalized and accurate treatments, ultimately enhancing patient care and clinical outcomes.

Keywords: medical imaging; radiation therapies; functional tomography; morphological tomography; imaging diagnostics; radiobiology; CT...

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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.

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