



Advances in Medical Imaging and Radiation Therapy

Guest Editors:

Dr. Marta Cremonesi

Radiation Research Unit, IEO
European Institute of Oncology
IRCCS, 20141 Milan, Italy

Dr. Daniele Pistone

Dipartimento di Matematica e
Fisica, Università degli Studi della
Campania "Luigi Vanvitelli", Viale
Abramo Lincoln 5, 81100 Caserta,
CE, Italy

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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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Editor-in-Chief

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

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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