

Special Issue

Medical Imaging and Application in Radiotherapy

Message from the Guest Editor

Since 1895, with the discovery of radiation by Roentgen, it has been used to treat diseases. Up to now, radiation has been one of the major modalities to treat cancer. Radiation therapy has developed from the treatment field and was drawn on a plane film to computerized 3-dimensional volumetric treatment plan. Advances in medical imaging have played an indispensable role. This Special Issue is proposed to reveal the medical imaging and application in radiotherapy. Architectures may include, but are not limited to, medical imaging applications for cancer treatment, novel concurrent algorithms and applications for radiation therapy dose calculation, medical imaging for treatment target delineation, radiation therapy treatment plan optimization, image guidance, treatment response evaluation by medical imaging, respiratory motion in medical imaging, and anything about radiation therapy. Artificial intelligence applications, computer assistance, and quality assurance in radiation therapy are also topics of interest. We look forward to receiving your contributions.

Guest Editor

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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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