

Special Issue

Theranostic Applications of Nanotechnologies

Message from the Guest Editors

In recent years, we have witnessed and continue to witness the rapid evolution of imaging techniques which is providing an increasingly accurate diagnostic potential. Furthermore, personalized therapy is the most important goal of medicine of the future. Theranostics, a branch of nuclear medicine that integrates the diagnostic phase with the therapeutic phase through the use of radiopharmaceuticals, undoubtedly represents one of the most promising frontiers in the healthcare sector. Nanotechnologies are configured as one of the frontiers of greatest interest and with greatest potential in the field of biomedical sciences. The purpose of this Special Issue is precisely to explore and highlight the progress made in the various imaging and therapy techniques with the use of applied nanotechnologies, including, for example, the various nanoparticles of the most disparate materials, for use in digital radiography, molecular nuclear, CT, MRI and ultrasound, without therapeutic applications with radionuclides.

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