

Special Issue

Emerging Nanomaterials for Biosensing and Bioimaging

Message from the Guest Editor

Biomedical imaging modalities are used for the detection and diagnosis of different types of cancers and diseases in their early stages. Recently, nanomaterials have attracted much attention due to their wide-ranging applications in biomedical imaging and cancer therapy. With the progress made in nanotheranostics (both imaging and therapy agents), studying drugs' release, accumulation in target tissues, biodistribution, and treatment effectiveness are other subjects devoted attention to. Nanoparticles are becoming potentially transformative tools for cancer detection for a wide range of biomedical imaging modalities, including computed tomography (CT), magnetic resonance imaging (MRI), ultrasound, optical imaging, and so on. Knowledge of the correlation between the application of nanoparticles as well as biomedical imaging modalities and the development of targeted nanoprobe may provide better cancer diagnoses in the future. This Special Issue calls for research papers and review articles, attempting to present recent studies on nanotheranostics used as nano-agents in various imaging modalities and platforms for cancer therapy.

Guest Editor

Prof. Dr. Daryoush Shahbazi-Gahrouei
Department of Medical Physics, School of Medicine, Isfahan University
of Medical Sciences, Isfahan 8174673461, Iran

Deadline for manuscript submissions

closed (25 September 2023)



Micromachines

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Impact Factor 3.0
CiteScore 7.1
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Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

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Prof. Dr. Nam-Trung Nguyen

Queensland Quantum and Advanced Technologies Research Institute,
Griffith University, West Creek Road, Nathan, QLD 4111, Australia

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