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Functional Nanomaterials for Cancer Therapy

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submissions:

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Message from the Guest Editor

Dear Colleagues,

Nanomaterials offer an innovative nano-platform for drug delivery and have prompted the development of nanomedicine in cancer therapy. They are valuable tools used for the delivery of therapeutic agents to enhance therapeutic efficacy compared with traditional methods. However, nanomaterials suffer from many challenges in clinical applications, such as fast clearance from the blood stream after injection and poor tumor-targeting abilities. Therefore, developing functional nanomaterials with a prolonged circulation time and high tumor-targeting ability is highly desired. For this purpose, nanomaterials could be administered using advanced surface functionalization and synthesis strategies to incorporate biomolecules, drugs, or metal nanoparticles.

In this Special Issue, I am pleased to invite you to submit original research articles and reviews articles that discuss the combined use of nanomaterials with functionalized molecules (drugs, natural compounds, biomolecules, polymers, metal nanoparticles, etc.) for cancer therapy application.

For more information, please see the link:
<https://www.mdpi.com/si/187670>

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Guest Editor



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Special Issue



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Editor-in-Chief

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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