



Dendrimers in Nanomedical Applications: Update and Future Directions

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Message from the Guest Editors

Dear Colleagues,

Advances in nanoscience and nanotechnology enable the development of nanomedicine that can improve our quality of life. Dendrimers intended for medical use have been widely used as nano-carriers in biological and medical applications, particularly the diagnosis or therapeutics in the oncology domain. Current research on functionalized dendrimer-based theranostics has been growing owing to its nanometer-scale dimensions and unique physiochemical properties. Functionalized dendrimers can be used to build up various nanoplatforams for multimodal diagnostics (optical, magnetic, thermal, radionuclide imaging, etc.) and combined therapeutics (e.g., chemotherapy, photothermal therapy, radiotherapy, gene delivery, etc.) in a simultaneous, comprehensive and effective manner.

This Special Issue will address advanced design and new developments in the area of dendrimer-based nanomaterials, including their production, synthesis, surface modification, characterization, and potential applications and future prospects as nanomedicine.

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Guest Editors





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Message from the Editor-in-Chief

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