



Dendrimers in Nanomedical Applications: Update and Future Directions

Guest Editors:

Prof. Dr. Xiangyang Shi

Prof. Jean-Pierre Majoral

Prof. Dr. Serge Mignani

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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 nanoplatforms 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.

Prof. Xiangyang Shi
Prof. Jean-Pierre Majoral
Prof. Serge Mignani

Guest Editors





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Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Ernest Mario School of
Pharmacy, Rutgers, The State
University of New Jersey, William
Levine Hall, Room 225C, 160
Frelinghuysen Road, Piscataway,
NJ 08854-8020, USA

Message from the Editor-in-Chief

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Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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