

Dendrimers in Medicine

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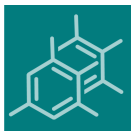
Message from the Guest Editors

Dear Colleagues,

Dendrimers, having precise nanostructures with synthetic control over: size, shape, and surface chemistry, are currently receiving great attention in a wide range of pharmaceutical and biomedical applications such as gene transfection, drug solubilisation, immunoassay, magnetic resonance imaging, chelating agents, and drug delivery. These highly branched macromolecules—described as having a well-defined, homogeneous, and monodisperse nanostructure—have a typically symmetric core, an inner shell, and terminal functional groups. The unique chemistry of dendrimers offers great opportunities to be tailored/engineered to facilitate drug conjugation (prodrug), drug encapsulation and/or surface modification with designed moieties that exhibit desired properties such as targeting, long circulation, etc. This Special Issue will provide a platform for presenting the latest research results on dendrimer applications in medicine.

Dr. Mohammad Najlah
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Message from the Editor-in-Chief

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