



Applications of Dendrimers in Biomedicine

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submissions:
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Message from the Guest Editors

Biomedicine represents one of the main study areas for dendrimers, which have proven valuable both in diagnostics and therapy, due to their capacity of improving solubility, absorption, bioavailability, and targeted distribution.

Many studies were performed in order to demonstrate the dendrimers' wide potential as drug carriers in different pathologies such as cancer, diabetes, infections, inflammation, Alzheimer's disease, cardiovascular conditions, etc. On the other hand, dendrimers are studied in regenerative medicine (e.g., wound healing, tissue and cartilage reconstruction, bone remineralization, etc.) or cosmetics. Furthermore, dendrimers have applications in diagnosis resulting in improved imaging agents.

In the present Special Issue, manuscripts covering aspects from the entire field such as synthesis, characterization methods, molecular simulations, regulatory, biological or clinical studies, potential applications in biomedicine, pharmacokinetics improvement, toxicity reduction, etc. are encouraged.





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Message from the Editor-in-Chief

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