Special Issue

Design and Synthesis of Dendrimers

Message from the Guest Editors

Dendrimers are well-defined tree-like structures composed of a core surrounded by branches and multiple end-groups. The molecular weight and the polydispersity are factors that can be controlled in the synthesis of dendrimers. Furthermore, photoactive groups can be incorporated into the structures of dendrimers. Therefore, dendrimers have attracted the attention of scientists and have found several applications in optoelectronics, catalysis, sensing, and drug delivery, among other areas. This Special Issue, entitled "Design and Synthesis of Dendrimers", will focus on innovative strategies for the design and synthesis of dendritic macromolecules. This Special Issue will feature original research articles and reviews that explore the synthesis of dendrimers with tailored functionalities. Contributions that investigate the photophysical properties of dendrimers, such as fluorescence, phosphorescence, and light-harvesting capabilities, are encouraged. Additionally, studies on applications for dendrimers in medicine, as well as on the integration of dendrimers into advanced materials, are welcome.

Guest Editors

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
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