



Synthesis, Characterization and Applications of Functional Polymeric Materials

Guest Editors:

Dr. Hao Mei

Department of Chemical and Biomolecular Engineering, Rice University, Houston, TX 77005, USA

Dr. Jing Yang

School of Materials Science and Engineering, Sun Yat-sen University, Guangzhou, China

Dr. Zhuqing Zhang

Department of Chemical and Biomolecular Engineering, Rice University, 6100 Main Street, MS 365, Houston, TX 77005, USA

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Message from the Guest Editors

Dear Colleagues,

Bottlebrush polymers are a kind of macromolecule with a linear backbone and densely grafted sidechains. Besides their chemical compositions, the physical structures can be tuned to present different properties. For instance, the variables of backbone length, side-chain length, grafting density, etc. introduce special properties for bottlebrush polymers. Due to their highly branched structures, they exhibit special properties and can be applied as super soft elastomers, photonic crystals, antifouling materials, drug delivery, surface treatment, etc.

This Special Issue focuses on the synthesis, characterization, and application of bottlebrush polymers. Topics include but not limited to advanced studies improving the synthetical accessibility of bottlebrush polymers and characterizing and identifying the special structure and properties of bottlebrush polymers and the unique applications of highly branched polymers.





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Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien
und Polymertechnologie,
University of Potsdam, 14476
Potsdam-Golm, Germany

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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.

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Contact Us

Polymers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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