

Special Issue

Silicone Polymers

Message from the Guest Editor

Silicone polymer, a man-made polymer containing the element silicon, its backbone combines silicone and oxygen. Due to their excellent thermal stability and low temperature resistance, consistency of properties over a wide temperature range, good electrical insulation, chemical stability, weatherability, and ozone resistance characteristics, silicone polymers have been applied in fields as different as aerospace, electronics, health care, and building industries, etc. The chemical structure of silicones allows a wide variety of materials to be manufactured, such as fluids, greases, rubbers, coating, foams, and hybrids. Changing the organic groups of silicone polymers on silicon can open up a new area of their applications.

This Special Issue of *Polymers* aims to highlight the most recent developments in the design, synthesis, characterization, theoretical study, processing, and application of silicone polymers. Besides original research papers and communications, review or perspective articles are also warmly welcomed and will be considered for publication. I sincerely invite you to contribute your research work to this Special Issue.

Guest Editor

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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 4.9.

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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