

Special Issue

Silicon-Based Polymers and Materials

Message from the Guest Editor

Silicones (polysiloxanes), containing silicon and oxygen atoms in their main chains and organic substituents bound to silicon, are a large and most important group of various inorganic-organic (hybrid) compounds and materials. Because of their excellent chemical, physical, and electrical properties, silicones play an important role among polymers with special properties, are mainly applied as oils, rubbers, and resins. Most importantly, silicones increase hydrophobicity and improve water resistance and thermal stability of many materials. And poly(dimethylsiloxanes) (PDMS) is very important group of organosilicon polymers. This Special Issue will overview recent development in organosilicon polymers (especially, polysilanes, polycarbosilanes, and polysilazanes), and many functional silanes of different chemical structures containing reactive groups, mostly bound to silicon atom, but also quite often attached to carbon atom. But the scope is not limit to that. Both original articles and reviews are welcome.

Guest Editor

Dr. Jerzy J. Chruściel

Textile Research Institute, Brzezińska Str. 5/15, 92-103 Łódź, Poland

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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

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

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