



Silicon-Based Polymers and Materials

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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.





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Message from the Editor-in-Chief

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