Special Issue

Silicone Resins: Synthesis, Modification, Characterization and Its Applications

Message from the Guest Editors

Silicone resins are tridimensional, highly branched polysiloxane made of different primary silicon units, namely the monofunctional unit (M), bifunctional unit (D), trifunctional unit (T) and tetrafunctional unit (Q). The highly branched polysiloxane chain structure gives them unique properties and allows their use in a variety of fields such as in aerospace (low- and high-temperature performance), electronics (as varnish in electrical insulations), cosmetic formulations (glossing or tackifying agents), masonry paints (as binders or water repellents), optical devices because of their light and heat stability (LED encapsulation), reinforcing agents in polymer compositions or pressure-sensitive adhesives (PSAs). In this Special Issue, we aim to highlight the most recent progress in the synthesis, characterization, modification and application of silicone resins. We invite original research articles and review papers that cover the emerging methods for synthesizing and characterizing silicone resins and new strategies in tailoring the chemical compositions, functionalities and performance in their applications.

Guest Editors

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Deadline for manuscript submissions

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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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