Special Issue

Functional Polymeric Materials for Electrical Insulation Application

Message from the Guest Editors

As the keystone of electrical insulation systems, functional polymeric materials play a leading role in the upgrading of electrical and electronic equipment in the field, including new power systems, microelectronics, and aerospace. With the development of electrical equipment towards large capacity, high voltage, and high-power density, the insulation system of electrical and electronic equipment must withstand serious electric-field distortion, higher-temperature operating conditions and great mechanical stress. Functional polymeric materials with high dielectric strength, high thermal conductivity, high electric-corrosion resistance, non-linear conductance, self-healing ability, etc., provide effective solutions to meet these new requirements. This Special Issue intends to discuss the design, preparation, dielectric properties, testing methods, failure mechanism, and application of functional polymeric materials for electrical insulation. It aims to help all potential readers further understand all aspects in this field.

Guest Editors

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Deadline for manuscript submissions

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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
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