

## Special Issue

# Current Research on Dielectric Properties of Polymer Composites

### Message from the Guest Editor

Polymers film capacitors have been widely used in advanced electronics and electric power systems owing to their light weight, mechanical flexibility, etc. There are still numerous unclear issues and/or technological problems to be researched, such as the mechanism of polarization and breakdown at low and high temperatures, the relationship between structure and properties of polymer dielectrics. In order to satisfy market requirements, it is urgent to explore high-performance polymer dielectrics with high discharge energy density and high-temperature resistance. This Special Issue of *Polymers* aims to report full research papers, communications, and review articles. Topics include but are not limited to the following: High-temperature polymer dielectric composites; Calculation and simulation of dielectric and breakdown properties; Composition, structure, properties, Fabrication and characterization; Interfacial properties;

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### Guest Editor

Dr. Sheng Chen

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### Deadline for manuscript submissions

closed (30 September 2023)



## Polymers

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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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