Special Issue

Developments in the Thermal, Electrical and Mechanical Properties of Polymer-Based Composites

Message from the Guest Editors

Polymer-based composites (PBC) have several excellent properties: high thermal conductivity, excellent electrical conductivity, outstanding mechanical properties at low density, and strength characteristics that can be tailored to a given load, which has a wide range of applications in the fields of materials, sensing, transmission, etc. Submissions are not limited in scope to the below topics.

- modeling, mechanisms, and measurement of thermal, electrical, mechanical properties of polymer-based composites in engineering fields;
- investigation of the role of interface in thermal, electrical, mechanical properties of polymer-based composites;
- transport mechanism and characterization analysis in polymer-based composites;
- influence of the microstructure evolution on thermal, electrical, mechanical properties of polymer-based composites;
- multi-field coupling behavior of polymer-based composites;
- fabrication, exploitation, optimal design, 3D printing, and machine learning;
- design and application of smart and intelligent thermal, electric, and mechanical sensors driven by polymer-based composites

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 4.9.

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.

Editor-in-Chief

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