Special Issue

Mechanical Properties and Durability of Epoxy Resins and Epoxy-Based Composites

Message from the Guest Editor

The range and amount of applications of polymers and polymer-based composites including fiber-reinforced plastics are growing continuously, mostly due to their intrinsic characteristics such as high specific strength and rigidity, good resistance to fatigue and corrosion, and the possibility to integrate additional functions. The main drawback of epoxy resins and epoxy-based composites is their relatively high sensitivity to environmental factors (e.g., moisture, temperature, UV radiation, etc.). Therefore, the analysis of the durability of such materials is particularly important for long-term applications. The use of sustainable and recyclable epoxy resins and fibers/fillers (including nanofillers) may lead to prolonged durability of such materials and also contribute to the circular economy as a whole. The topics of interest regard the following aspects of epoxy resins and epoxy-based composites: mechanical properties; environmental degradation and stability; structure–properties relationship; analysis and prediction of durability; long-term deformability.

Guest Editor

Dr. Tatjana Glaskova-Kuzmina

Institute for Mechanics of Materials, University of Latvia, Riga LV-1004, Latvia

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

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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
Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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