Special Issue

Multifunctional Polymer Composite Materials, 2nd Edition

Message from the Guest Editors

Multifunctional polymer composites are robustly engineered materials that exhibit two or more functional properties beyond basic structural support. These multifunctional aspects include mechanical toughness, electrical and thermal conductivity, self-healing, strain sensing, and energy harvesting. Integration of such multi-functionalities not only enhances the composite material's ability to respond to external stimuli, but also provides structural health, and adaptation to extreme environmental changes. The main components of polymer composites include polymer matrix, reinforcing fillers, and curatives. Keeping the above concepts in mind, this Special Issue is open to research based on polymer composites and a demonstration of their multi-functional abilities. Moreover, this Special Issue will collect the latest literature with motivated industrially oriented research related to polymer composite materials.

Guest Editors

Dr. Vineet Kumar

School of Mechanical Engineering, Yeungnam University, Gyeongbuk 38541, Republic of Korea

Dr. Md Najib Alam

School of Mechanical Engineering, Yeungnam University, 280 Daehak-Ro, Gyeongsan 38541, Republic of Korea

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

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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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