

Special Issue

Novel Polymers and Nanocomposites

Message from the Guest Editor

Polymer nanocomposites (PNC) are promising materials made from polymers as a matrix and fillers (inclusion materials) as reinforcement. Novel PNC have been used in a wide variety of different applications including drug delivery, dental, medical devices, sensors, and tissue engineering applications as well as engineering and environmental applications. This Special Issue is concerned with the methods of preparation, optimization and application of novel Polymers and Nanocomposites, including natural, synthetic polymers, biopolymers, and their networks or gels. Topics may include wet chemical approaches, high speed homogenization, electrospinning, mechanical, thermal methods, etc. Moreover, the final forms of PNC may vary ranging from particles, fibers, and emulsions, etc. which might be reflected on the final applications of these PNCs. Ideally, contributions focus on fundamental results, mechanisms, and applications that will help to compile the current state-of-the-art and to highlight their range of application. Both original contributions and reviews are welcome.

Guest Editor

Dr. Wael Mamdouh

Department of Chemistry, School of Sciences and Engineering, the American University in Cairo (AUC), AUC Avenue, P.O. Box 74, New Cairo 11835, Egypt

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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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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

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

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