Special Issue

Miscible and Immiscible Polymer Blends: Achievements and Development Perspectives

Message from the Guest Editor

The mixing of two or more polymers is an aspect of technology that has recently received special attention, since mixing represents a new, simple, and efficient method to obtain advanced materials with special properties that cannot be found in individual components. The importance of a better understanding of both the theoretical and practical aspects of blending is therefore undeniable. By mixing at least two polymers, miscible, immiscible, or partially miscible blends can be obtained. In many cases, the polymers are immiscible (i.e., compatible) because the thermodynamic parameters—particularly the entropy and enthalpy of mixing—are unfavorable. For this reason, miscibility or phase separation studies are essential. The purpose of this Special Issue is to present in a comprehensive and updated fashion new advances in the preparation of miscible/immiscible blends, in the understanding of the physical mechanisms of mixing miscible/immiscible polymers, in the control of their structure and properties, and in the possibilities of their practical application. Dr. Yuri Voznyak

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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

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