Special Issue

Advances in Research and Preparation of High-Performance Polymer Fibers

Message from the Guest Editor

High-performance fibers have been widely used in many industrial applications due to their highly specialized physical properties, including a high tensile strength (and/or modulus), high thermal resistance, flame retardancy, chemical resistance, excellent electrical properties, etc. The most common organic high-mechanical-performance fibers are ultra-high-molecular-weight polyethylene (UHMWPE) fibers, para-aramid fibers, thermotropic liquid crystal polyester (TLCP) fibers and poly(phenylene benzobisoxazole) (PBO) fibers. They are ideal reinforcement materials and are usually used in cables/ropes, parachutes, bullet proof vests, cut-resistant fabrics and ballistic protective armor. Meta-aramid fibers and polyimide (PI) fibers are widely used in fireproof suits and firefighter garments due to good heat/thermal resistance. Considering the key roles of high-performance fibers, the editors are pleased to launch this Special Issue and invite researchers to contribute original research papers/reviews associated with the main topic and title of this Special Issue.

Guest Editor

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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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