Special Issue

Peptide-Functionalized Polymeric Materials

Message from the Guest Editor

The recent interest in the synthesis and applications of peptide-based materials has produced diverse peptide-based polymeric architectures, hydrogels, and nanoparticles for biological applications. These peptide-based polymeric scaffolds provide a great platform to combine the biodegradable and bioactive properties of peptides with the facile synthetic approaches and higher stability of polymeric materials and are being extensively studied for various applications, such as drug delivery, bio-sensing, tissue engineering, and preparation of antibacterial and anticancer agents. The decoration of polymer backbones with peptides by pre- or post-polymerization modification techniques has resulted in excellent stimuli-responsive self-assembled and degradable biomolecules, capable of efficient molecular targeting, antifouling, and anti-cancer and antibacterial activities. This Special Issue aims at collecting fundamental research studies on the synthesis of peptide-based polymeric materials and their applications.

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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