Special Issue

Intrinsically Conducting Polymers as Materials in Biological Systems

Message from the Guest Editor

Conductive polymers have unique properties that make them a hot topic. In terms of electrical conductivity, its mechanical meat flexibility, and biocompatibility make it widely used in the field of bioengineering. The most significant advantage of ICPs is their ability to support the immobilization of biological entities such as enzymes, microorganisms, antibodies, tissues, or cells. Its structural and chemical versatility enables it to maintain and fix the functional interface of the entity's biological activity. It opens the way for the application of various biological systems. Icps are biocompatible and have a transformative impact on the improvement of biological systems in tissue engineering, drug delivery, and environmental monitoring. In addition, ICP also plays an important role in enzyme and microbial fuel cells. It can enhance the transfer of electrons between biological and electrical systems. Promote the advancement of sustainable energy technologies. This Special Issue seeks to showcase the vast potential of ICPs in advancing both fundamental research and practical applications in biological systems

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

Prof. Dr. Alexander Böker
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