Special Issue

Intrinsically Biocompatible Polymer Systems

Message from the Guest Editor

Biocompatibility refers to the ability of a biomaterial to perform its desired function with respect to a medical therapy, without eliciting any undesirable local or systemic effects in the recipient or beneficiary of that therapy, but generating the most appropriate beneficial cellular or tissue response in that specific situation, and optimising the clinically relevant performance of that therapy. Biocompatible polymeric materials are presently use as, e.g., long-term implantable medical devices, degradable implantable systems, transient invasive intravascular devices, and, recently, as tissue engineering scaffolds. The biosafety of biocompatible polymers needs prediction, evaluation and indication on potential complications arising from their use and the formation of their degradation products. Thus, the methodology of forensic engineering of advanced polymeric materials is currently being developed in the area of biocompatible polymers. This Special Issue welcomes reviews, full papers and short communications highlighting the aspects of the current trends in the area of biocompatible polymers.

Guest Editor

Prof. Dr. Marek M. Kowalczuk

1. Wolverhampton School of Biology, Chemistry and Forensic Science, Faculty of Science and Engineering, University of Wolverhampton, Wolverhampton WV1 1LY, UK
2. Centre of Polymer and Carbon Materials, Polish Academy of Sciences, 41-800 Zabrze, Poland

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Polymers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
polymers@mdpi.com

mdpi.com/journal/polymers

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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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