

Special Issue

Polymers and Lasers – Processing, Development and Applications

Message from the Guest Editor

Nowadays the utilization of polymers in optoelectronics, photonics and optics is rapidly growing. This is mainly due to the good availability of polymers, their low costs and ease of manufacturing and processing. Most of future applications will demand materials that exhibit optically induced phenomena, including nonlinear optical processes. This in turn requires the interaction of matter with strong laser light. Polymers are perfect for this role because they can be easily functionalized, either through the synthesis or by the addition of particular types of chromophores. Laser light can be used to change and control the properties of polymers, in the processing of polymeric materials, and finally it can be generated by polymeric gain media. Thus, the presented topic of Polymers magazine Special Issue is of high importance in the field of material science, photonics and optoelectronics. This Special Issue will be devoted to most recent achievements in the field of macromolecules and laser light interaction, laser processing techniques of polymers and laser light generation in polymeric gain media.

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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