

Special Issue

Laser Treatment of High-Polymer Materials

Message from the Guest Editors

Laser treatment is a flexible and potential method for obtaining a wide range of controlled physical and chemical modifications of high-polymer materials. Lasers generating wavelengths ranging from ultraviolet to infrared spectra, with pulse durations from nanosecond, picosecond to femtosecond temporal domains, can be used for ablation, patterning, inducing various surface modifications of polymers in the micro- and nanoscales, and for fine transferring of polymeric materials from bulk to thin films. Processing with various laser techniques leads to extending the applications of high polymers in almost all industrial, technological, biotechnological and biomedicine fields, e.g., semiconductor manufacturing and coatings, aircraft constructions, waveguides, storage devices, optoelectronic devices, sensors and biosensors, and neural implants and neural interface devices in neural prostheses and hybrid bionic systems. It is our pleasure to invite you to submit a manuscript to this Special Issue. Full papers and reviews would be greatly appreciated.

Guest Editors

Dr. Nadya Stankova

Laboratory "Micro and Nanophotonics", Institute of Electronics, Bulgarian Academy of Sciences, Tzarigradsko Shose Blvd. 72, 1784 Sofia, Bulgaria

Dr. Daniel Sola

1. Aragonese Foundation for Research and Development (ARAID), 50018 Zaragoza, Spain
2. Instituto de Nanociencia y Materiales de Aragón, Universidad de Zaragoza–CSIC, 50018 Zaragoza, Spain

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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 4.9.

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

Fraunhofer-Institut für Angewandte Polymerforschung, Lehrstuhl für Polymermaterialien und Polymertechnologie, Universität Potsdam, Geiselbergstraße 69, 14476 Potsdam-Golm, Germany

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