Special Issue

Optical Polymer Materials and Devices for Space Based Applications

Message from the Guest Editors

An increasing number of satellites and space-based scientific instrumentation are being launched by both public organizations and private industry, with further increases planned. This leads to a continuing demand for better components and for a reduction in the weight and size of payloads, all the while improving the performance of the instrumentation in this most challenging of environments. Optics are a critical aspect of many of the instruments launched into space, from telescopes to imaging equipment and from optical communications to spectrometers. Conventional refractive elements can, however, be bulky, heavy, and contribute to complex systems. One potential solution is optical polymer materials and devices designed for space applications. Topics covered include but are not limited to:

- Polymer material formulations for space applications;
- Diffractive, refractive, and hybrid polymer optical devices (i.e., lenses, filters, mirrors, etc.);
- Applications (e.g., adaptive/active optics, remote sensing, solar collectors, other space instrumentation, technologies for human monitoring in space).

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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 4.9.

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
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