

Special Issue

Plasma Processing of Polymers

Message from the Guest Editors

This Special Issue aims to introduce the latest experimental, diagnostic and industrial developments through a series of original research papers and review articles from leading groups in the fields of physics, chemistry, materials science and industrial engineering. The scope of this Special Issue will serve as a forum for papers on the following topics of interest, but will not be limited to these: The plasma deposition of polymer-like thin films;

The plasma synthesis of nano- and micro-composite materials with at least one polymeric component;

The plasma cleaning and functionalization of polymer surfaces;

The sterilization and disinfection of polymeric surfaces by plasma exposure;

Reaction mechanisms and plasma-assisted chemistry;

Plasma diagnostics, modelling and simulation for plasmas in polymerizable gases;

Applications of plasma polymers in flexible

(nano)electronics, sensors, separation and catalysis;

Broadening the utilization of polymers in the textile industry in plasma processing.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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