Special Issue

Current Directions and Innovations in Fluorescence Techniques for Characterization of Polymers and Polymeric Materials

Message from the Guest Editor

The ability of fluorescent dyes to sense their surroundings over a few nanometers enables fluorescence experiments to probe soft matter at the molecular level. This feature makes fluorescence a well-suited technique to characterize the structure and dynamics of macromolecules. Such studies are facilitated by its outstanding sensitivity, enabling the fluorescently labeled macromolecule to be investigated with a minimal number of probes, thus ensuring that its properties are minimally affected by the presence of dye(s), and at infinitely low concentrations of a few mg/L, enabling the study of individual macromolecules. While most fluorescence experiments revolve around fluorescence quenching, fluorescence resonance energy transfer (FRET), or fluorescence anisotropy, new fluorescence-based methodologies are constantly being introduced to expand the type of information describing the properties of polymeric materials. This Special Issue aims to introduce current directions and innovations for the application of fluorescence techniques to the study of polymeric materials.

Guest Editor

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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 4.7.

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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