Special Issue

Spectroscopy for Polymer Materials Characterization

Message from the Guest Editors

Spectroscopy is a powerful analytical technique used to characterize polymer materials, providing insights into their molecular structure, composition, and properties. Various spectroscopic methods are explored to investigate polymers. Each of these techniques provides complementary information, making them essential tools for researchers in polymer science. This technique is crucial for monitoring polymerization processes, assessing chemical modifications, and detecting degradation. Combining imaging and spectral analysis, hyperspectral imaging enables the visualization of chemical variations across polymer surfaces. This technique provides spatially resolved information, facilitating the examination of morphology, defects, and inhomogeneities within materials. This Special Issue focuses on the innovative applications of spectroscopic techniques for the characterization of polymer materials and aims to present cutting-edge research and reviews that highlight the synergy between spectroscopy and modern data analysis techniques, fostering advancements in the understanding and application of polymer materials in diverse fields.

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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

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