Special Issue

Advanced Polymer-Based Materials for Energy Applications

Message from the Guest Editors

With growing threats related to climate change, innovations in the field of energy are more necessary than ever before. Advanced polymers can contribute by reducing the costs of renewable energy production, increasing energy efficiency, improving the durability and reliability of energy devices, and developing more compact and lightweight energy systems. For example, conductive polymers can enhance the efficiency of solar cells, while advanced polymer membranes can increase the performance of fuel cells. This, in turn, leads to lower energy consumption and a reduction in greenhouse gas emissions. The pursuit of innovative and sustainable solutions in the field of polymer materials for energy can have a far-reaching positive impact on the environment, the economy, and the quality of life of communities around the world. The aim of this Special Issue is not only to gather and publish the latest research in this area but, above all, to stimulate the necessary energy transformation. We invite all scientists to share their knowledge and experiences to collectively contribute to creating a sustainable and secure energy future.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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