Special Issue

Polymer Carbocatalysts for Environmental Remediation

Message from the Guest Editors

Recently, biochar (BC) and its composite materials have been incorporated into advanced oxidation processes (AOPs) because they offer both adsorption and catalytic degradation benefits. Their catalytic role primarily involves activating oxidizing agents (such as peroxymonosulfate, persulfate, and hydrogen peroxide) to produce reactive oxygen species (ROS). This process, referred to as carbocatalysis, is extensively used for the degradation and removal of emerging pollutants, producing singlet oxygen, superoxide radical anions, hydroxyl radicals, sulfate radicals, and other reactive species in catalytic process. This Special Issue will cover topics related to the synthesis processes of carbocatalysts, their mechanisms and roles in degrading emerging pollutants, and their extensive applications as catalysts.

Guest Editors

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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 4.7.

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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