



polymers



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Functional Polymeric Adsorbents

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submissions:

closed (15 October 2022)

Message from the Guest Editor

Due to chemical contamination, water pollution remains a serious environmental and public problem. Adsorption is one of the most attractive methods for the extraction of molecules or ions from aqueous solutions, as it can be conducted in mild conditions. In order to create both an efficient and sustainable process, the decisive aspect is the type of sorbent material. In this light, biomacromolecules, biobased and biodegradable polymers, are promising materials for the synthesis of functional adsorbents due to their unique physicochemical properties, specific functionality, abundance, and low cost. Therefore, this Special Issue is focused on the development of functional adsorbents for water purification. Original research papers and short reviews addressing the synthesis, characterization, and investigation of the influence of biomacromolecules' originality and nature on the properties of functional materials as perspective adsorbents for water treatment are invited for submission.



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Special Issue



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Message from the Editor-in-Chief

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