Special Issue

Novel Green Adsorbents and Their Applications

Message from the Guest Editors

Over the past three decades, there has been an increasing interest in the development of novel adsorbents from sustainable biomasses. Green adsorbents are cost-effective filter materials often with high affinity, capacity, and selectivity to interact with contaminants in either soil or natural waters. The list of green adsorbents is extremely extensive, including biochars, hydrochars, and activated carbons from agricultural solid wastes; food wastes; industrial by-products and biological materials. The main aim of this Special Issue on "Novel Green Adsorbents and their Applications" is to gather recent findings and current advances on new biomasses as feedstocks, reproducible and low-cost production methodologies, and applications of biosorbents in soil remediation, natural water, and wastewater treatment. Cases of both organic and inorganic contaminants are within the scope of this Special Issue. Pilot- and field-scale studies, life-cycle assessment and techno-economic analyses, as well as application of the adsorbents for the removal of emerging contaminants, are particularly welcome.

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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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