Special Issue

Adsorption Materials and Their Applications

Message from the Guest Editor

The intensive development of analytical methods has resulted in an increased number of substances detected in environmental matrices called emerging pollutants. Although they are detected at relatively low concentrations, their persistence and frequent bioactivity makes them refractory pollutants. Nowadays, existing methods of water and wastewater treatment are ineffective in their removal; thus, there is a need to develop new effective and environmentally friendly methods for their removal. Among various proposed techniques, adsorption seems to be the solution. Designing effective and environmentally friendly materials is of great importance nowadays. Adsorption is effective, cheap, and does not require any harsh conditions. Furthermore, the transformation of wastes into precious products such as sorbents meets the requirements of circular economy and sustainable development and enables the realization of several SD goals. Engineered materials dedicated to the removal of toxic, refractory pollutants may solve several environmental problems.

Guest Editor

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