



Advances in Eco-Friendly Adsorbent Materials for Removal of Inorganic and Organic Pollutants

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The incompetent, excessive use of plant protection products and antibiotics in agriculture and animal husbandry as well as high emissions of pollutants from industry result in higher and higher contents of xenobiotics in the environment. These anthropogenic compounds pose a serious threat to organisms – they limit the growth and development of plants, animals, and humans, causing numerous diseases and dysfunctions. One of the most important methods of reducing the negative impact of xenobiotics on the environment is their immobilization or complete removal by adsorption on solid surfaces.

Currently, many researchers are developing materials that can be used as effective adsorbents in water and wastewater treatment and soil remediation. Such materials physically and chemically modify biochar, clay minerals, zeolites, etc., to additionally improve their properties. This Special Issue focuses mainly on the solids characterized by their high adsorption capacity relative to heavy metals, pesticides, and pharmaceuticals. It is my pleasure to invite you to submit research or review articles on such novel materials.

Dr. Katarzyna Szewczuk-Karpisz
Guest Editor





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Message from the Editor-in-Chief

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