

Special Issue

Advances in the Application of Nanomaterials in Environmental Remediation

Message from the Guest Editor

The increasing contamination causes changes in the structure and function of the environment, affecting the normal life activities of organisms in the environmental media, while harmful substances may enter the human body through the food chain/food web, posing a serious threat to human health. Therefore, the question of how to remediate environmental pollution in an efficient and safe manner must be addressed urgently.

Most contemporary studies focus on the mechanism of adsorption of pollutants by various materials, among which nanomaterials have high adsorption capacity and reactivity and can rapidly remove a variety of pollutants from the environment through various physicochemical methods. This is a type of environmental remediation agent with great potential to form complexes with pollutants to increase the migration rate and bioavailability of pollutants, accelerating the remediation of hazardous substances in soil. The use of nanomaterials may be greatly reduced as a consequence, resulting in cost savings and reduced secondary contamination compared to traditional methods.

Guest Editor

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