Special Issue

Application of Nanotechnology in Environmental Remediation

Message from the Guest Editors

With the development of the economy and industrialization, environmental pollution is becoming more serious, which has attached world concern and affects human health. Nanotechnology can remediate contaminated environments effectively through the manipulation and manufacture of materials and devices on the scale of atoms or small groups of atoms.

Nanotechnology for environmental remediation maintains a rapid development speed. New and effective nanomaterials are emerging, and many are being successfully applied in practice. Since they have a high specific surface area and porosity, they are effective for removing heavy metals, dyes, volatile organic compounds, and so on from the environment.

This Special Issue intends to present various nanomaterials for the remediation of different environmental contaminants and their remediation process.

Keywords

nanotechnology; nanomaterials; nanostructures; nanofibers; nanotube; nanoparticles; environmental remediation; water treatment; photocatalysis

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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