Special Issue

Advances in Environmental Behavior of Nanomaterials

Message from the Guest Editor

Nanotechnology is a frontier science and technology field which has developed rapidly in recent years. According to chemical composition, nanomaterials can be divided into carbon nanomaterials, metal and oxide nanomaterials, quantum dots, nanopolymers, nanocomposites, etc. Due to their small size and special structure, nanomaterials have many unique physicochemical properties, such as a large specific surface area and high reactivity, which makes nanomaterials superior to other materials in many aspects. Nanomaterials have broad application prospects in the environment, energy, life, etc. In the field of environmental protection, nanomaterials have been used to treat polluted water, soil, and air and have shown excellent treatment performance. However, nanomaterials can enter the environmental through a variety of ways during their production and use, which may bring unpredictable effects on the ecological environment.

Guest Editor

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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