Special Issue

Ecotoxicological Studies of Organic Pollutants in Soil and Aquatic Environments

Message from the Guest Editor

Persistent organic pollutants (POP), which are chemicals that pose a serious threat to human health and environment. They are resistant to degradation and are bioaccumulative, so they may lead to toxic effects on human health. In addition, they have the potential to be transported over long distances, so they may appear in regions where they have never been used or produced. Soil and aquatic environments are extremely vulnerable, where water carries contaminants to the discharge zone, and then hypersaline and contaminated environments are caused due to water evaporation. Meanwhile, the accumulation of organic pollutants originates changes in the microbiological communities of soil and aquatic environments. Some of these microbes are capable of carrying out processes related to bioremediation and nutrient recycling.
This Special Issue aims to cover recent advances in the detection and effects of organic pollutants in biological communities, the characterization of microorganisms communities present in contaminated soils and aquatic environments, and the possible decontamination processes. Dr. Manuel Álvarez-Ortí

Guest Editor

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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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