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New Strategies for Detection and Bioremediation of Contaminated Water and Soil

Guest Editor:

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Deadline for manuscript submissions:

closed (28 June 2024)

Message from the Guest Editor

Dear Colleagues,

The growth of the human population and rising living standards lead to an increasing pressure on terrestrial and aquatic ecosystems. A current and important goal of our society is to preserve the environment for future generations. Therefore, new strategies are needed to detect and solve the problems associated with pollutants of emerging concern, about which knowledge and environmental regulation are generally lacking. Biological processes for remediation have a special importance in this context.

This Special Issue will focus on those methods specifically developed to detect and monitor biodegradation processes (pretreatment and preparation of complex samples, analysis of mixtures of emerging contaminants and contaminants never reported in waters and soils). Of special interest is the combination of different techniques (analytical, ecotoxicological, biochemical) for monitoring bioremediation processes. This Special Issue will also focus on the application of novel bioremediation strategies to control the pollution associated with industrial and agricultural activities in waters and soils (removal of drugs, surfactants, chemical additives, metals, pesticides).



mdpi.com/si/185165

Special Issue



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Message from the Editor-in-Chief

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