

Special Issue

Microbiology of Environmental Waste Management

Message from the Guest Editors

One of the most pressing issues today is ensuring the long-term health of the planet's ecosystems. The continuous release of harmful waste and contaminants as a result of industrialization and urbanization poses the greatest threat to humanity directly in the short and long term, and places incredible pressure on natural resources. Waste generation correlates positively with economic development in both developed and developing countries. It is imperative that we take action now to restore our polluted ecosystem to a healthy and habitable state for future generations. The potential role of microorganisms in pollution control is promising, but largely overlooked. Due to their distinct characteristics, microorganisms can be effectively harnessed for environmental rehabilitation. The bioremediation of contaminated sites and biodegradation are two processes that microorganisms can aid tremendously. The prevention of pollution within the environment requires contributions from both the science and engineering communities.

Guest Editors

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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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