

Special Issue

Marine Pollutants: Biological and Abiotic Degradation Mechanisms

Message from the Guest Editors

The occurrence, fates and risks of pollutants have become an issue of concern due to their enhanced distribution in marine environments and their impacts on the marine ecosystem; these pollutants include persistent organic pollutants (POPs), heavy metals, emerging pollutants and marine biotoxins. Biological and abiotic degradation are the major sinks of marine pollutants, driving their fates and ecological risks in marine environments. Within the biotic degradation processes, marine pollutants may be susceptible to degradation by enzymes produced by bacteria, fungi, algae, and even macrobiota, whereas the abiotic degradation processes may be associated with hydrolysis and photolysis processes. In the natural marine environment, biotic and abiotic factors exist together and may exhibit a combined degradation mechanism. Special Issue aims to publish papers describing the most recent scientific advancements in the biotic and abiotic degradation processes of marine pollutants, as well as the characterization of the underlying mechanisms.

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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