Special Issue

Textile Microfibers Pollution: Impacts, Behavior, and Mitigation

Message from the Guest Editors

Research has shown that large numbers of fibers enter the environment mainly through wastewater effluent, aerial deposition, or through the application of contaminated sludge on agricultural soils. In addition, a wide variety of chemicals are used during natural and synthetic textile production, raising concerns about the role of fibers into the environment.

This Special Issue aims to provide state-of-the-art information on the occurrence, sources, fate, uptake, toxicity, and persistence of natural and synthetic fibers in the environment, as well as the factors that influence fibres and the possible mitigation solutions. Manuscripts related to microfiber pollution, including reports on microfibers in organisms and ecosystems, analytical methodologies for sampling, characterization and analysis of textile fibers in environmental samples, ecotoxicological evaluation of microfibers impacts, the role of microfibers as vectors of environmental contaminants, quantification methods of microfibers release from textiles, mechanisms and parameters that lead to microfibers release, and mitigation measures will be considered for publication. Both articles and review papers are welcomed.

Guest Editors

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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