

Special Issue

Effects of Emerging Contaminants on Microbial Communities

Message from the Guest Editor

In recent years, emerging pollutants such as industrial chemicals, pharmaceuticals, pesticides, surfactants, personal care products, microplastics, and per- and polyfluorinated substances have been widely observed in aquatic and terrestrial environments. It has been reported that the presence of emerging contaminants in the environment could affect microbial communities. More research should be conducted to explore the effect of emerging contaminants on microbial communities to better understand their toxicity to the microbial environment. Such a need is the foundation of this Special Issue. In this Special Issue, we invite studies to evaluate the influence of emerging contaminants on environmental microbial communities— including for wastewater, groundwater, soil, sediment, sludges, and natural and engineering biofilm. Research articles, review papers, and short communications are welcome.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2025)



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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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