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## Soluble Microbial Products and Perfluorinated Compounds in Wastewater Treatment

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Deadline for manuscript submissions:

**closed (31 May 2023)**

### **Message from the Guest Editors**

Dear Colleagues,

Per- and polyfluoroalkyl substances (PFASs) are synthetic fluorinated surfactants composed of a carbon backbone and a charged functional group. Their unique chemical structure provides hydrophobic, oil repellent, high temperature resistant, and significant reduction in water surface tension properties, making them widely used in pesticides, medicines, cosmetics, clothes, inks, oil production, food packaging, electrical wiring, and fire-fighting foams. However, some studies have shown that PFASs have potential hepatotoxicity, neurotoxicity, reproductive toxicity, immunotoxicity, thyroid disruption, cardiovascular toxicity, pulmonary toxicity, and renal toxicity to organisms. Therefore, it is necessary to develop effective methods to remove or degrade PFASs.

On the global market, more than 3000 PFASs, among them perfluorooctanoic acid (PFOA), are frequently detected in various environmental matrices. [...]

For further reading, please follow the link to the Special Issue Website at:

[https://www.mdpi.com/journal/water/special\\_issues/MicrobialPerfluorinatedCompounds\\_](https://www.mdpi.com/journal/water/special_issues/MicrobialPerfluorinatedCompounds_)

Wastewater



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# Special Issue



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## Message from the Editor-in-Chief

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