

Special Issue

Determination and Removal of Drug Residues in Wastewater

Message from the Guest Editors

The determination and removal of drug residues in wastewater are critical aspects of modern environmental management and public health protection. The fundamental role of pharmaceuticals in healthcare and their widespread use are inevitably leading to the presence of these compounds in wastewater. Detecting and quantifying these drug residues is essential for understanding the extent of contamination, assessing potential risks to aquatic ecosystems, and safeguarding drinking water sources. Moreover, efficient removal techniques are essential to mitigate their environmental impact. Advanced wastewater treatment methods, such as activated carbon adsorption, oxidation processes, and membrane filtration, are continuously being developed to effectively eliminate drug residues from wastewater. This Special Issue is committed to addressing new advances in the determination and removal of drug residues in wastewater to ensure the purity of our water resources and protect public health.

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Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

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