# **Special Issue**

### Separation Technology in Chemical Engineering

### Message from the Guest Editor

The production of high-COD (chemical oxygen demand) organic waste water and the associated negative impacts remain the main challenges faced by human beings. Although various environmental technologies have been explored, most are not suitable for high-COD organic waste water. The low concentration of the high-COD organic components within water makes the recovery of organic components and the following treatment process energy-intensive. Hence, developing and emloying energy-efficient unit operation systems within chemical engineering for the pretreatment of water is of critical significance. This Special Issue aims to publish works on energy-efficient organic waste water pre-treatment processes by using chemical engineering unit operations, especially distillation, absortion, adsortion and extraction units.

### Guest Editor

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### Deadline for manuscript submissions

31 December 2025



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### About the Journal

### Message from the Editor-in-Chief

Separations offers the scientific community a highquality, open-access journal option with rapid time-topublication without any sacrifice of a rigorous peerreview 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

Prof. Dr. Frank L. Dorman Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

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