

## Special Issue

# Advanced Separation Methods for Safety Assessment and Valorization of By-Products

### Message from the Guest Editors

The valorization of agri-food by-products for human and animal consumption has gained significant interest, particularly in the feed, food, nutraceutical, and pharmaceutical industries. In this context, the development and optimization of analytical methods for the quality and safety assessment of plant and animal by-products, as well as the upcycled foods and ingredients derived from them, are critical to ensure consumer protection and regulatory compliance. This Special Issue aims to bring together the latest innovations in advanced separation methods and analytical techniques for safety assessment, the removal of undesirable physical and chemical substances, and the extraction and purification of high-added-value compounds with bioactive and functional properties from agro-industrial by-products. The main goal is to promote the sustainable and cost-effective upcycling of these raw materials into natural feed and food-grade ingredients. We invite researchers and professionals in the field to submit original research papers and review articles that contribute to food loss and waste valorization in an eco-sustainable manner. We look forward to receiving your submissions!

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### Guest Editors

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### Deadline for manuscript submissions

31 December 2025



## Separations

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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.

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### Editor-in-Chief

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