

Special Issue

Peptide Synthesis, Separation and Purification

Message from the Guest Editor

Synthetic peptide manufacturing is substantially more expensive than small molecule manufacturing. Additionally, the larger the API molecule becomes, efficient purification and isolation becomes increasingly more important as well. The demand particularly increases as production quantities from tens to thousands of kilograms per year. Given this context, this Special Issue of *Separations*, 'Peptide Synthesis, Separation and Purification,' invites scholars to submit their original research and review articles, covering various aspects of peptides purification including the synthetic approaches, separation methodologies, and the influence of hydrophobicity and solubility on the overall separation and purification behavior. Furthermore, we welcome papers addressing novel synthetic strategies that can deliver purer peptides and decrease the purification burden, as well as papers that incorporate computational, modeling, and machine learning approaches as these are powerful tools that can save time, cost, and effort.

Guest Editor

Dr. Othman Al Musaimi

1. School of Pharmacy, Faculty of Medical Sciences, Newcastle University, Newcastle Upon Tyne NE1 7RU, UK
2. Department of Chemical Engineering, Imperial College London, London SW7 4AZ, UK

Deadline for manuscript submissions

closed (10 February 2025)



Separations

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 3.0



mdpi.com/si/187614

Separations
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdpi.com

[mdpi.com/journal/
separations](https://mdpi.com/journal/separations)





Separations

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 3.0



[mdpi.com/journal/
separations](https://mdpi.com/journal/separations)



About the Journal

Message from the Editor-in-Chief

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

Prof. Dr. Frank L. Dorman

Department of Chemistry, Dartmouth College, Hanover, NH 03755,
USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.1 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2024).

Recognition of Reviewers:

reviewers who provide timely, thorough peer-review reports receive vouchers entitling them to a discount on the APC of their next publication in any MDPI journal, in appreciation of the work done.