



Peptide Synthesis, Separation and Purification

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 AZ, UK

Deadline for manuscript
submissions:

closed (10 February 2025)

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Frank L. Dorman

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

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 16 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).

Contact Us

Separations Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/separations
separations@mdpi.com
[X@Sep_MDPI](#)