

## Special Issue

# Tailored Peptide Modifications for Advanced Infection Control Strategies

### Message from the Guest Editors

Tailored peptides including antimicrobial peptides (AMPs), peptide antibiotics, synthetic peptides, and peptide-based vaccines are recognized as potential alternatives to fight against drug resistance and new infections. In this Special Issue, authors are invited to submit papers related to, but not limited to, the following specific areas or research: Characterization and designing of novel AMPs, peptide antibiotics, synthetic peptides, and peptide-based vaccines or therapies; Strategies for the development of peptide-based therapies against infectious diseases; Peptide-based immunotherapies to combat cancer; Applications and strategies to use peptide-based therapies against autoimmune disease; Peptide-based therapies against fungal infections and antifungal drug resistance; Protein engineering strategies to design efficient peptide-based therapies; Synergistic action or combination treatment strategies of peptides with conventional antibiotics or other drugs to improve efficacy; New delivery strategies for peptides and peptide-based therapies to overcome drug resistance; Peptide-based therapies and immunotherapies in clinical trials and therapeutics.

### Guest Editors

Dr. Piyush Baindara

Dr. Ravinder Kumar

Dr. Santi Mohan Mandal

### Deadline for manuscript submissions

closed (30 September 2025)



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*Bioengineering*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[bioengineering@mdpi.com](mailto:bioengineering@mdpi.com)

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### Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical Engineering, Texas A&M University, College Station, TX 77843, USA

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