

## Special Issue

# Advances in Bioactive Peptides from Natural Sources: Characterization, Biological Targets and Promising Applications

### Message from the Guest Editors

Studies on the pathophysiological mechanisms of envenoming and molecular characterization of toxins from the *Bothrops jararaca* snake venom resulted in the relevant discovery of bradykinin and bradykinin-potentiating peptides (BPPs), recognized by the first natural inhibitors of angiotensin I-converting enzyme (ACE) and model for the development of captopril, the first ACE inhibitor and the first commercially available drug for the treatment of arterial hypertension. In this sense, several peptides obtained from the venoms of amphibians, snakes, scorpions, and spiders have been reported in the literature as important bioactive compounds with important pharmacological effects and potential therapeutic applications. The aim of this Special Issue is to report current advances in bioactive peptides from natural sources, focusing on their characterization, biological targets, and promising applications. We are pleased to invite you to submit original research articles and reviews. Research areas may include (but are not limited to) the discovery and characterization of novel bioactive peptides, including pharmacological studies and development of bioproducts.

### Guest Editors

Dr. Daniel Dias Rufino Arcanjo

Dr. José Roberto de Souza de Almeida Leite

Dr. Alexandra Plácido

### Deadline for manuscript submissions

closed (30 June 2025)



## Pharmaceutics

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### Editor-in-Chief

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