



## Design, Synthesis and Structure of Peptides

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submissions:

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### Message from the Guest Editors

Peptide chains are assembled in a simple modular fashion yet may possess an exceptionally high degree of chemical diversity. As a result, synthetic peptides have found a wide variety of applications. Beyond classical use as model systems for study of protein folding problem, synthetic peptides are now to be found in more application-oriented fields, such as the design of foldamers, biomaterials, drug delivery systems, and tissue regeneration scaffolds. Naturally occurring peptide hormones and host defense systems serve as useful templates for the development of novel agents targeting various diseases and medical conditions, such as chronic pain, cancer, microbial infection, and obesity. The increasing diversity of such potential applications has posed new challenges to the design, synthesis, and structural analysis of peptides and peptidomimetics.

Scientists working in broad field of peptides are invited to submit original research and review articles on new synthetic approaches or solutions, characterization of unique structures or novel structural assemblies, and the design of peptides or peptidomimetics which address pharmacological obstacles of therapeutic application.





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