

Special Issue

Solid-Phase Peptides: Syntheses and Applications

Message from the Guest Editor

Peptides are small proteins made up of amino acid sequences attached to each other with peptide bonds. Natural peptides play a pivotal role in all living organisms owing to their participation in nearly all physiological processes.

Solid-Phase Peptide Synthesis (SPPS) is a powerful technique simplifying and facilitating the synthesis of peptides. SPPS is based on a stepwise construction of peptides from their C-terminus anchored to an insoluble polymer (i.e., resin) through iterative coupling reactions of protected amino acids. The use of resins can dramatically reduce the synthesis time along with an increase in crude purity and yield by replacing the purification steps with simple washing steps of the resin.

This Special Issue will provide an opportunity to publish research results or review articles dedicated to all aspects of Solid-Phase Peptides, focusing on them at a molecular level, and including, but not limited to, peptide–protein interactions, synthesis methodology, the isolation of new bioactive peptides from nature, the development of new bioactive synthetic peptides, all peptide-based approaches for disease treatments and/or drug delivery, etc.

Guest Editor

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