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# Peptide and Protein Chemistry: Design, Synthesis, and Applications

Guest Editor:

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### **Message from the Guest Editor**

Dear Colleagues,

Peptide and protein chemistry has evolved and matured remarkably in the past few decades, and significant momentum has developed in the creation of novel synthetic peptides and proteins for basic research and therapeutic development. The ability to modify virtually any desired residue at the atomic level has enabled the production of peptides and proteins with novel physicochemical properties that are difficult to obtain via standard molecular biology approaches. Recent advances in solid-phase synthesis, chemoselective ligation methods, group chemistry, protecting and post-synthetic modifications have enabled the preparation of complex and uniquely modified biomolecules for a variety of applications.

This special issue of Molecules highlights the recent progress and novel applications now available in peptide and protein chemistry. Original research is welcome in the form of articles or minireviews that discuss new chemistry and methodologies for synthesizing and functionalizing peptides and proteins, along with research on their applications in various fields.

Dr. Muhammad Jbara Guest Editor













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#### **Editor-in-Chief**

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## **Message from the Editor-in-Chief**

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