

Special Issue

Polypeptides and Bioconjugates: Synthesis, Anticancer and/or Antimicrobial Activities

Message from the Guest Editors

Many medicines on the pharmaceutical market are based on peptides or modified amino acids, such as enalapril (Vasotec), acetylcysteine (chemical name N-acetyl-L-cysteine), peptide antibiotics, as well as several analogues of the peptide hormone somatostatin, named octreotide, lanreotide, and vapreotide, which is used to fight different types of cancer. Therefore, peptides have been well proven as possible alternatives for other medical drugs in the treatment of different illnesses. In recent years, many scientific groups have worked on the synthesis of bioconjugates between peptides and other chemical structures in their efforts to identify molecules with synergistic effects and improved pharmacodynamics. Thus, this Special Issue aims to highlight and unite the scientific studies of different groups and the contemporary progress in the field of new peptide-based structures with anticancer and/or antimicrobial activities. Mathematical predictions may also be included, as well as investigations into prodrugs based on amino acids.

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