

Special Issue

Quantification of Therapeutic Peptides by LC-MS

Message from the Guest Editor

Dear colleagues, The development of new drugs in the form of peptide is drawing attention worldwide, and more than 150 drugs are being developed in various fields. Although the use of an analysis method based on a mass spectrometer is required to study the pharmacokinetics of the peptide, complex pretreatment procedures and special analysis conditions are required because of the physicochemical properties and extremely low blood concentration of peptides. This Special Issue will describe the latest findings on mass based-peptide quantification technology, including peptide extraction in the biological matrix, strategy for selection of mobile phase or column, or peptide detection based on mass spectrometry. In addition, this will include the latest research results in mass spectrometry-based pharmacokinetic/metabolism studies of bioactive peptides or new formulation of therapeutic peptide on the market etc. As a result, it aims to propose a new analysis technology that can be used in the development of new peptide therapeutics by collecting and sharing the latest research results on peptide analysis, based on mass spectrometry technology.

Guest Editor

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