

Tentative Outline

Special Thematic Issue for Current Topics in Medicinal Chemistry

Structure-function relationship and therapeutic potential of bioactive peptides

Guest Editors: Yu Fu, Qiang Zhang

Aims & Scope:

Bioactive peptides serve as important constituents of functional foods, which have broad application prospects for prevention and control of a variety of chronic diseases. In addition to potential effects of bioactive peptides on anti-hypertension and anti-oxidative stress, emerging studies concentrate on antidiabetic, immune modulating and lipid metabolism modulating activities as well as beneficial effects on bone, joint and skin health. However, there are still challenges to be addressed with regard to their structure-function relationship, intestinal transport and bioavailability, molecular mechanisms of action and novel molecular targets. The aim of this thematic issue is to summarize the recent research progress on structure-function relationship and therapeutic potential of bioactive peptides. State-of-the-art advancements in bioavailability, mechanisms of action and novel molecular targets of bioactive peptides are also welcome.

Keywords: Bioactive peptides, Structure-function relationship, Therapeutic potential, Bioavailability, Nutraceuticals

Subtopics:

The subtopics include, but are not confined to, the following areas:

- Therapeutic potential of bioactive peptides and applications
- Structure-function relationship of bioactive peptides
- Absorption and intestinal transport of bioactive peptides
- Action mechanisms of bioactive peptides
- Novel molecular targets of bioactive peptides
- Recent advances in analysis of bioactive peptides

Schedule:

- ✧ Manuscript submission deadline: October 1, 2020
- ✧ Peer review due: 20 October, 2020
- ✧ Revision due: 31 October, 2020
- ✧ Announcement of acceptance by the Guest Editors: 15 November, 2020
- ✧ Final manuscripts due: 30 November, 2020

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