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Proteins and Peptides from Animal-Derived Foods: Physicochemical Properties and Health Benefits

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Animals are the main sources of dietary proteins. Animal protein can supply essential amino acids and have great digestibility as well as the ability to transport other important nutrients. In addition, animal proteins have excellent physicochemical properties, such as gelling, emulsification, foaming, etc. Bioactive peptides are multifunctional compounds derived from proteins that also exhibit significant biological functions, such as antioxidant, immune, and anti-inflammatory activity, etc. Thus, proteins and peptides from animal-derived foods can be used as functional foods and pharmaceutical preparations. Nevertheless, the physicochemical properties and biological activities of proteins/peptides are affected by many factors and aspects, such as the enzymatic hydrolysis process, separation and purification processes, structure–activity relationship, and digestion as well as absorption status in vivo.

Dr. Xiaowei Zhang
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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