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Food-Derived Bioactive Peptides: Current Trends and Future Perspectives

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Message from the Guest Editors

Food-derived bioactive peptides have gained significant attention in recent years due to their potential health benefits. These peptides can be from various food sources. They have been found to possess diverse biological activities.

Current trends in research focus on the identification, isolation, and characterization of bioactive peptides from different food sources. Researchers employ techniques such as enzymatic hydrolysis, protein purification, and mass spectrometry to identify and isolate specific peptides with desired properties. Additionally, advanced technologies like proteomics and genomics are being utilized to understand the mechanisms of action and to determine the bioavailability of these peptides in the human body.

At present, the further research trends of food-derived bioactive peptides include the identification of novel source bioavailability and delivery systems, mechanisms of action, investigation of precise mechanisms, health benefits and disease prevention, as well as assessing the specific health benefits of bioactive peptides, gut microbiota interactions, safety, and regulatory considerations.



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