

Special Issue

Emerging Technologies for Modifying Plant-Based Proteins

Message from the Guest Editor

Vegetable proteins, in their natural form, are characterized by having considerable nutritional value, low allergenicity (with some exceptions), low production cost, and unique techno-functional properties. Their consumption is also associated with a healthier diet and their cultivation and processing procedures impart less environmental impact. Available in numerous food sources and often in high quantities, vegetable proteins are found mainly in legumes (peas, beans, soybeans), cereals (wheat, corn, rice), oilseeds (flaxseed, chia, sunflower seed, sesame), and leaves (moringa, kale, spinach), among other foods. However, despite the numerous desirable characteristics, plant proteins still show characteristics that lead to underutilization in human food, probably due to their lower nutritional value or inferior techno-functional properties compared to proteins from animal sources. This Special Issue highlights advanced techniques for modifying plant-derived proteins to improve their nutritional quality and techno-functional properties. It welcomes research on novel processing and enzymatic methods, structure–function insights, and sustainability assessments.

Guest Editor

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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