



Plant Proteins: Extraction, Functionality and Food Applications

Guest Editor:

Prof. Dr. Rémi Saurel

Institut Agro Dijon, Procédés
Alimentaires et Microbiologiques
(UMR PAM), Université
Bourgogne Franche-Comte
(ComUE), 1 Esplanade Erasme, F-
21000 Dijon, France

Deadline for manuscript
submissions:
closed (20 April 2024)

Message from the Guest Editor

In the context of a growing demand for proteins worldwide and the need to move towards a more sustainable diet, the development of new products based on plant proteins is an actual issue for the food industry and offers new challenges for researchers.

For the application of plant proteins in food, the characterization of the technofunctional properties of protein ingredients including solubility, emulsifying, foaming, gelling, texturizing and film-forming properties, is of significant importance. Additionally, the functionalization of plant proteins by physical and biological treatments have to be considered as a means to improve their technological properties. In future related studies, the impact of the interactions between proteins and non-protein compounds or plant secondary metabolites retained during extraction should be investigated.

Studies aiming to investigate health benefits, nutritional and sensory properties of such plant-based alternatives are required to increase consumer acceptability. The impact of new formulations and processing methods on the quality of plant-based products have to be evaluated more extensively.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
appls@mdpi.com
[X@Appls](https://twitter.com/appls)