

Special Issue

Chemistry, Quality, and Processing Technology of Different Cereals, Pseudocereals, Legumes and Oilseeds Grain Types

Message from the Guest Editors

Different types of grain in the form of cereals, pseudocereals, legumes, and oilseeds represent the global population's main source of food. Through different processes, they are transformed into safe and edible food products with desirable physico-chemical properties, nutritional qualities, and sensory characteristics. There is a direct relationship between the quality of food products and the quality of the raw materials used, the technological processes used, and the technological parameters chosen to achieve them. Their versatility and ability to improve food quality require a more complex evaluation of them from a technological and nutritional point of view. Therefore, more and more studies are needed to analyze grain quality and its potential use in the development of food products. This Special Issue focuses on original research and review papers that discuss the various applications of different grain types to obtain food products. Different aspects such as grain composition; microstructure; and functional, nutritional, rheological, textural, and sensory characteristics and their use in order to obtain food products will be discussed in this Special Issue.

Guest Editors

Prof. Dr. Georgiana Gabriela Codină

Faculty of Food Engineering, Ștefan cel Mare University, 720229 Suceava, Romania

Prof. Dr. Adriana Dabija

Faculty of Food Engineering, Ștefan cel Mare University of Suceava, 720229 Suceava, Romania

Deadline for manuscript submissions

20 January 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/205718

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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.

Editor-in-Chief

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

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)