



## Innovations in Cereal Processing Technologies and Cereal-Based Food Production

Guest Editor:

**Dr. Nikolina Mustać**

Laboratory for Cereal Chemistry and Technology, Department of Food Engineering, Faculty of Food Technology and Biotechnology, University of Zagreb, 10000 Zagreb, Croatia

Deadline for manuscript submissions:

**closed (22 April 2023)**

### Message from the Guest Editor

Although cereals have been a staple food around the world for centuries, they continue to amaze us with their biodiversity, their wide range of uses, and multiple applications in food production. In fact, cereals are best known for their products after they have been processed. Today, new and emerging technologies, alongside conventional methods, further expand cereal diversity and open up new possibilities in their processing and in the production of value-added cereal-based foods. Combined with the increasing interest in minor cereals as well as in by-products and a sustainable circular economy, cereal utilisation is a topic that needs to be explored in more depth.

Therefore, this Special Issue will publish high-quality original research on the following topics: new technologies, cereal bioprocessing, cereal by-products, cereal-based beverages, sourdough, sustainable cereal production chain, cereal products for special dietary needs, pseudocereals, fortified cereal products, post-harvest processing, novel ingredients from cereals, and novel methods for cereal analysis.





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](http://www.mdpi.com)

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