Special Issue

Innovative Technologies for Agricultural Product Pre-Processing and Processing Engineering

Message from the Guest Editor

The global population is growing, and the global climate is changing. These developments are key challenges that food production must overcome. Innovative technologies for agricultural product pre-processing, processing, and storage engineering are required to increase productivity while using lower resources, thus contributing to a more sustainable supply chain. This Special Issue aims to provide and discuss new technologies that impact agricultural product processing, from harvest to storage, aiming to increase the sustainability of the food supply chain. These technologies should valorize the resources used to produce foodstuff and any alterations within industry procedures, such as packaging, food transportation, and storage facilities. Original research articles and reviews are welcome, and key topics of interest for publication include, but are not limited to, the following:

- Artificial intelligence applied in agricultural product engineering;
- Innovative post-harvest processes;
- Solar drying of fruits, grains, and vegetables;
- Mechanical drying and storage facilities;
- Thermic properties of foods;
- Seeds and seedlings production.

Guest Editor

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 20.6 days after submission; acceptance to publication is undertaken in 5.4 days (median values for papers published in this journal in the first half of 2025).