

## Special Issue

# Mathematical Modeling for Technological Processes of Agricultural Products

### Message from the Guest Editors

The processing of agricultural products is of great significance in ensuring food security and promoting economic development. However, in actual agricultural production, there are still several problems such as high wastage rates, difficulty in quality control, and high energy consumption. An in-depth understanding of the working principles of the technological processes of agricultural products can help to solve these problems, but it is extremely difficult to monitor data from the production process. In recent years, with the advancement of computer technology, mathematical modeling has become an important method of solving such problems.

This Special Issue focuses on the research of key variables and process parameters in the technological processes of agricultural products, calibration and validation of basic parameters of agricultural materials, and the establishment of mathematical models by combining the mechanism analysis method and the data-driven method, ultimately applying them to production practice.

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### Guest Editors

Dr. Yanlong Han

Dr. Yang Liu

Prof. Dr. Anqi Li

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### Deadline for manuscript submissions

15 September 2025



## Agriculture

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*Agriculture*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[agriculture@mdpi.com](mailto:agriculture@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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