

Special Issue

Advanced Drying Technologies in Food Processing (2nd Edition)

Message from the Guest Editors

This Special Issue seeks contributions covering all aspects of drying technology in agricultural food, with a focus on energy matching of agricultural product drying equipment, drying process optimization, and exergoeconomic and nondestructive testing (NDT) of agricultural products. The aim is to improve the energy utilization efficiency of drying systems while ensuring product quality, integrating the economic analysis of drying systems, and providing optimal drying criteria. Topics of interest for this Special Issue include but are not limited to

- The first and second laws of thermodynamics used to conduct an analysis and evaluation of drying systems' energy utilization efficiency;
- The establishment of optimization models for drying system design to evaluate the impact of different environmental conditions on drying systems' energy consumption;
- Nondestructive testing technology for hyperspectral technology applied to agricultural products;
- Exergoeconomic analysis and evaluation of drying systems with unit water removal cost as the main objective.

Guest Editors

Prof. Dr. Weibin Wu

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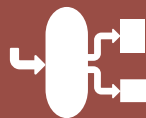
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Deadline for manuscript submissions

closed (20 April 2026)



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