



Potato Production: From Quality Formation to Stress Tolerance

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Message from the Guest Editors

Potatoes, as the fourth major food crop, contain sufficient amounts of protein, starch, carbohydrates, essential amino acids, vitamins and minerals, essential for human nutrition. It is very important to improve their productivity for food security in a growing population.

However, potato plants are highly susceptible to abiotic stresses such as high temperature, drought, soil salinization and attacks by diseases and insect pests. Potatoes are grown primarily for their tubers. Any stress that negatively affects the tuber formation process may result in reduced tuber yield and quality. To maintain the sustainable development of potato production, we need to understand the impact of stress-related physiological, biochemical and molecular processes on potato quality development, while developing stress-tolerant potato varieties that are appropriately modified for changing environments.

This Special Issue of *Plants* aims to provide an overview of current research and knowledge regarding potato production, as well as genetics, genomics and biotechnology approaches to study potato quality formation and stress adaptation.





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Message from the Editor-in-Chief

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