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The Impact of Climate Change on Quality, Yield, and Nutritional Properties of Cereals, Legumes, and Oilseeds

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Message from the Guest Editor

Climate change poses a significant threat to global food security and nutrition. Rising temperatures, altered precipitation patterns, increased salinity, and elevated atmospheric CO₂ levels can have profound effects on the yield, quality, and nutritional composition of major crop species, including cereals, legumes, and oilseeds. These crops are vital sources of calories, proteins, essential nutrients, and healthy fats for human consumption and animal feed. Understanding the impact of climate change factors on these crops is crucial for developing adaptation and mitigation strategies to ensure food and nutritional security in the face of a changing climate. This Special Issue aims to bring together the latest research on the effects of climate change stressors on the quality, yield, and nutritional properties of cereals, legumes, and oilseeds, as well as approaches to enhance their resilience and productivity under future climate scenarios.



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