# **Special Issue**

# Effects of Environmental Factors on Nutritional Quality of Plant Seeds and Other Edible Plant Parts

# Message from the Guest Editor

The latest climate prospects point to the occurrence of more frequent and intense extreme climate and weather episodes (including drought, flooding, heat waves, or freezes) accompanied by soil degradation and a higher incidence of plant diseases. These threats are currently compromising our food system. Within these threatening scenarios, the urgency of finding innovative solutions for these problems intensifies and includes the use of cost-effective crops that are resilient to stress and able to provide more nutritious plant-based foods that will contribute to minimizing food insecurity worldwide. In this regard, the stability of plant performance and seed/grain quality are critical aspects to be analyzed to broaden our understanding regarding the effect(s) of different plant environmental stressors on the physiology and nutritional properties of crops, which is key to fighting malnutrition. Hence, this Special Issue aims to collect recent findings regarding the impact of abiotic and biotic stressors on plant-based food quality with special emphasis on the nutritional quality of seeds or grains of stress-resilient edible plant species.

### **Guest Editor**

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# Deadline for manuscript submissions

31 May 2025



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# **About the Journal**

# Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

## Editor-in-Chief

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