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Genetic Research on Soybean Response to Adversity Stress and Disease Stress

Guest Editor:

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Message from the Guest Editor

Soybean is the most economically important legume in the world, providing vegetable protein and ingredients for human and animal consumption.

Adversity stresses such as temperature extremes, drought, floods, salinity, nutrient deficiencies, and toxicities limit soybean yields. Because of climate change, the frequency and intensity of such environmental stresses are already causing substantial losses in crop production. Diseases and pests also suppress soybean yield around the world. Many resistance genes and quantitative trait loci have been identified against major pathogens and pests.

This Special Issue will focus on the latest advances in the understanding of resistance to abiotic and biotic stresses. Submissions of review or original research articles covering, but not limited to, the following themes are welcome:

- Precise, accurate and digitalized phenotypic measurement of responses to adversity and biotic stresses
- Genetic dissection of tolerance to adversity and disease resistance
- Genomic prediction for responses to adverse environments and quantitative disease resistance
- Multi-omics-driven studies focusing on adversity and disease resistance
- Other related subjects

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Message from the Editor-in-Chief

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We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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