



## Crop Responses to Abiotic Stress and Genetic Research

Guest Editor:

**Dr. Rita Armonienė**

Institute of Agriculture,  
Lithuanian Research Centre for  
Agriculture and Forestry, Instituto  
al. 1, Akademija, LT-58344  
Kėdainiai District Municipality,  
Lithuania

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### Message from the Guest Editor

Due to climate change, various abiotic stresses, including heat, drought, cold stress, nutritional deficiencies, and chemical toxicity, have become a major challenge for crop productivity.

Through millennia-long evolution, plants have developed adaptability strategies that enable them to respond to various environmental signals by adjusting or manipulating epigenetic regulatory mechanisms, which allow them to cope with unfavorable conditions. Recent studies have shown that epigenetic mechanisms play vital roles in the formation of stress memory, and can be inherited by the offspring of stress-treated plants. Therefore, a deeper understanding of the epigenetic mechanisms underlying plant stress response could be of great significance for the breeding of climate-resilient crops.

This Special Issue, entitled “Epigenetic Regulation of Crop Abiotic Stress Response”, will focus on the epigenetic regulation of plant responses to extreme heat and cold temperature, drought, salinity, nutrient limitations, and ultraviolet stress, and on the epigenetic mechanisms of stress memory. We welcome the submission of all types of articles, such as original research and review papers.





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### **Prof. Dr. Les Copeland**

Sydney Institute of Agriculture,  
School of Life and Environmental  
Sciences, The University of  
Sydney, Sydney, NSW 2006,  
Australia

## Message from the Editor-in-Chief

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Agriculture Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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