

Special Issue

Genetic Engineering of Plants for Stress Tolerance

Message from the Guest Editor

Genetic engineering is a crucial tool in modern agriculture that can precisely modify the genetic composition of plants to enhance desirable traits. One of the key applications of this technology is the development of stress-tolerant crops. Plant stress tolerance, enhanced through genetic engineering, ensures stable crop yields under adverse conditions. By introducing genes that confer resistance to these stressors, genetically engineered crops can maintain productivity where traditional crops would fail. This Special Issue aims to address the pressing challenge of enhancing plant resilience to various stressors through genetic engineering. We invite contributions that provide insights into the molecular mechanisms underlying stress tolerance, biotechnologies developed to enhance plant stress-tolerant traits, case studies demonstrating successful genetic modifications, and reviews of current advancements and future directions in this field. This Special Issue is supervised by (Guizhou University) and assisted by our Topical Advisory Panel Members, Dr. Yinggao Liu (Shandong Agricultural University) and Dr. Abazar Ghorbani (Guizhou University).

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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