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Special Issue Reprint

# Abiotic Stress Tolerance and Genetic Diversity in Plants, 2nd Edition

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Plant breeding, plant conservation and plant restoration efforts urgently demand the development of novel adaptive sources to cope with increasing abiotic pressures. However, standing genetic diversity for tolerance to abiotic stress is often lacking from traditional gene pools. Hence, cryptic pockets of genetic and ecological diversity may provide hidden adaptations, genotypes and alleles to cope with abiotic pressures. Meanwhile, modern methodological achievements in the fields of genomics, molecular biology, bioinformatics, biotechnology and geographical modeling are offering new perspectives on the genomic bases and ecological drivers of abiotic stress tolerance. These achievements may lead to new interdisciplinary areas where plant breeding, restoration ecology and conservation genetics could converge. Therefore, this Reprint of the Special Issue, "Abiotic Stress Tolerance and Genetic Diversity in Plants, 2nd Edition", compiles innovative research related to this exploration, leveraging plant genetic diversity to improve abiotic stress tolerance traits using a diverse array of techniques and perspectives. Ultimately, this Reprint collection showcases the interplay among genetic, molecular, ecological and modeling disciplines aiming to cope with abiotic stresses.

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