

1. Record Nr.	UNINA9910729799303321
Titolo	Genetics and Evolution of Abiotic Stress Tolerance in Plants / / Patrizia Galeffi, editor
Pubbl/distr/stampa	Basel : , : MDPI - Multidisciplinary Digital Publishing Institute, , 2023
Descrizione fisica	1 online resource (228 pages)
Disciplina	631.4/52
Soggetti	Crops - Effect of stress on Crops - Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	his reprint represents a general view of what and how the research on plants at the molecular level (genetics, genomics, transcriptomics, proteomics, metabolomics, and so on) contributes to a good equilibrium among human needs, food security, and future strategies for mitigating the effects of global climate changes. Now more than ever, it is critical to understand the genetics and evolution of the gene mechanisms and the networks of different molecular pathways acting on plant abiotic stress tolerance in order to find new solutions for modern agricultural problems. This reprint is full of technical and specialized terms and, for this reason, its target audience is scientists and students trained in plant functional genomics, breeding, agronomy, and genetics. It is an exciting virtual tour through plant molecular responses to various environmental stresses, and new ideas and applications will be derived.