1. Record Nr. UNINA9910741323203321

| | |
|---|---|
| Titolo | Abiotic Stress in Plants - Adaptations to Climate Change / / Manuel Oliveira, Anabela Fernandes-Silva, editors |
| Pubbl/distr/stampa | London : , : IntechOpen, , 2023 |
| ISBN | 1-83768-497-9 |
| Descrizione fisica | 1 online resource (284 pages) |
| Disciplina | 581.1 |
| Soggetti | Plant physiology |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | 1. Understanding the Impact of Global Climate Change on Abiotic Stress in Plants and the Supportive Role of PGPR -- 2. Ultraviolet Radiation and Its Effects on Plants -- 3. Role of Plant Hormones in Mitigating Abiotic Stress -- 4. Reorganization of the Endomembrane System and Protein Transport Pathways under Abiotic Stress -- 5. Photosynthetic Response and Adaptation of Plants in Perspective of Global Climate Change -- 6. Molecular Mechanisms and Strategies Contributing toward Abiotic Stress Tolerance in Plants. |
| Sommario/riassunto | How plants adapt to climate change is a complex and multifaceted process and understanding it requires a comprehensive knowledge of plant biology and ecology. Some of the most serious stresses that plants face include heat and water stress, soil degradation, and increased pests and diseases. Addressing these challenges is crucial to preserve lives and livelihoods and requires a combination of scientific research, technical innovations, and policy interventions to increase ecosystem resilience and sustainable agricultural practices. This book is a step in the right direction, as it provides a comprehensive overview of plant adaptation to abiotic stresses. |