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""1.15 Co-Chaperones of Hsp90 Influenceits Catalytic Activity""""1.16 Hsp90 and Co-Chaperones: a Vital Role in Plant and Animal Pathology"; ""1.17 Concluding Comments""; ""References""; ""2: Heat Response, Senescence and Reproductive Development in Plants""; ""Abstract""; ""2.1 Introduction""; ""2.2 Leaf Senescence Under High Temperature Stress""; ""2.3 Reproductive Development Under Heat Stress In Crop Plants""; ""2.3.1 Wheat""; ""2.3.2 Maize""; ""2.3.3 Rice""; ""2.4 Mechanisms of Heat Tolerance""; ""2.4.1 Reactive oxygen species defence under heat stress""
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""References""
""4: Monitoring the Activation of Jasmonate Biosynthesis Genes for Selection of Chickpea Hybrids Tolerant to Drought Stress""""Abstract"";
""4.1 Introduction""; ""4.2 The Jasmonate Biosynthesis Pathway and Jasmonic Acid Signal Transduction""; ""4.3 Plant Roots, Hormone Crosstalk and Involvement in Stress response""; ""4.4 Abiotic Stress Response in Drought and Salt Stresses: Role of Jasmonates""; ""4.5 Chickpea Root Response to Abiotic Stresses""; ""4.6 Nitric Oxide Regulation and Epigenetic Control of Jasmonic Acid Signalling""; ""4.7 Breeding Strategies""; ""Acknowledgements""
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Sommario/riassunto

This book is based to a great extent on the biochemical and molecular mechanisms of tolerance of commonly encountered abiotic stresses in nature. This book will deal with increasing temperature, water, salinity, and heavy metals and ozone, and how these abiotic stresses can be managed by microbes through their alleviation mechanisms. Water stress includes both drought and flooding. 1st section outlines the relevance of abiotic stresses in present day environmental conditions. The 2nd section deals with three major stresses - temperature, water and salinity and the metabolic changes and protect
