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Titolo	Plant Hormones under Challenging Environmental Factors // edited by Golam Jalal Ahammed, Jing-Quan Yu
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ISBN	94-017-7758-6
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (XVI, 269 p. 34 illus., 19 illus. in color.)
Disciplina	580
Soggetti	Plant science Botany Plant Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Role of Hormones in Plant Adaptation to Heat Stress -- Involvement of Plant Hormones in Cold Stress Tolerance -- Hormonal Interactions Underlying Plant Development Under Drought -- Participation of Phytohormones in Adaptation to Salt Stress -- Roles of Phytohormones in Morphological and Anatomical Responses of Plants to Flooding Stress -- Phytohormonal Responses to Soil Acidity in Plants -- Use of Phytohormones for Strengthening Metal(loid) Phytoextraction: Limitations and A Case Study -- Plant Responses to Light Stress: Oxidative Damages, Photoprotection and Role of Phytohormones -- Involvement of Phytohormones in Plant Responses to Ozone -- Engineering Phytohormones for Abiotic Stress Tolerance in Crop Plants.
Sommario/riassunto	This book presents recent advances in understanding the physiological and molecular mechanisms of different abiotic stresses such as high or low temperature, salinity, drought, flooding, soil acidity, heavy metals, light stress and ozone stress, and discusses the multifaceted role of phytohormones in stress adaptation and the underlying mechanisms. Aimed at students and researchers in the field of plant science, it offers a comprehensive overview of the versatile roles and interactions of different phytohormones in response to a specific stress factor and examines the possible physiological and molecular mechanisms that have been the subject of recent research.

