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ISBN	3-319-13921-5
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (251 p.)
Disciplina	581.88
Soggetti	Microbiology Plant physiology Agriculture Plant Physiology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction to Plant Growth-Promoting Bacteria -- Resource Acquisition -- Modulating Phytohormone Levels -- Some Techniques to Elaborate Plant-Microbe Interactions -- Biocontrol Mechanisms -- Environmental Interactions -- Phytoremediation Issues Regarding the Use of PGPB.
Sommario/riassunto	This monograph provides an overview of beneficial plant-bacterial interactions in a straightforward and easy-to-understand format, and includes a wealth of unique illustrations elaborating every major point. Study questions that emphasize the key points are provided at the end of each chapter. One way to feed all of the people in the world's growing population is through the increased use of plant-growth-promoting bacteria in agriculture. These bacteria not only directly promote growth but also protect plants against a wide range of biotic and abiotic stresses. Moreover, they can be used to support procedures for biologically cleaning up the environment. Plant-growth-promoting bacteria are already being used successfully on a small scale in several countries, and as this technology matures, the world may witness a major paradigm shift in agricultural practice.