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Descrizione fisica	1 online resource (1312 p.)
Altri autori (Persone)	BruijnF. J. de (Frans J. de)
Disciplina	577.57
Soggetti	Soil microbiology Microbial genetics Microbial ecology Rhizosphere
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 and index.
Nota di contenuto	section 1. Focus chapters -- section 2. Plant-mediated structuring of bacterial communities in the rhizosphere -- section 3. Plant genetics and rhizobacterial communities -- section 4. Hormones and other signals and rhizomicrobes -- section 5. Endophytes -- section 6. Symbiotic plant-microbe interactions -- section 7. PGPR, biocontrol, and disease-suppressive bacteria -- section 8. Biofilm formation and attachment to roots -- section 9. Quorum sensing and signaling -- section 10. Genomic sequencing and screening of genes/promoters activated in the natural environment -- section 11. Marker and reporter genes for plant-host interaction studies -- section 12. Phytoremediation and heavy-metal tolerance in the rhizosphere -- section 13. Climate change effects on soil/rhizosphere microbial communities -- section 14. Metagenomics and the soil/rhizosphere -- section 15. Engineering the rhizosphere : the "biased rhizosphere" concept -- section 16. Concluding chapters.
Sommario/riassunto	Molecular Microbial Ecology of the Rhizosphere covers current knowledge on the molecular basis of plant-microbe interactions in the

rhizosphere. Also included in the book are both reviews and research-based chapters describing experimental materials and methods. Edited by a leader in the field, with contributions from authors around the world, *Molecular Microbial Ecology of the Rhizosphere* brings together the most up-to-date research in this expanding area, and will be a valuable resource for molecular microbiologists and plant soil scientists, as well as upper level students in

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