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Titolo	Plasticity in Plant-Growth-Promoting and Phytopathogenic Bacteria // edited by Elena I. Katsy
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ISBN	1-4614-9203-3
Edizione	[1st ed. 2014.]
Descrizione fisica	1 online resource (214 p.)
Disciplina	570 571.92 579 579.313
Soggetti	Microbiology Botany Plant diseases Plant Sciences Plant Pathology
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 and index.
Nota di contenuto	Common Themes and Specific Features in the Genomes of Phytopathogenic and Plant-Beneficial Bacteria -- Ecology and Physiology of Non-Frankia Actinobacteria Associated with Actinorhizal Plants -- Boundaries for Conjugative Transfer of Rhizobial Plasmids: Restraining and Releasing Factors -- Phase Variation in Plant-Associated Pseudomonads -- Plasmid Rearrangements and Changes in Cell-Surface Architecture and Social Behavior of Azospirillum brasilense -- Genome Plasticity and Dynamic Evolution of Phytopathogenic Pseudomonads and Related Bacteria -- Genomic Flux in Xanthomonas Group of Plant Pathogenic Bacteria -- Genome Plasticity in Obligate Parasitic Phytoplasmas -- Comparative Genomics of Herbaspirillum Species.
Sommario/riassunto	Plasticity in Plant-Growth-Promoting and Phytopathogenic Bacteria brings together the expertise of a panel of researchers from around the world to provide comprehensive up-to-date reviews on the most

interesting aspects of genomic and phenotypic plasticity in plant-beneficial and phytopathogenic bacteria. The book covers various topics, including common and specific features in the genomes of symbiotic, plant-growth-promoting, and phytopathogenic bacteria; regulation of conjugative plasmid transfer in rhizobia; genetic and phenotypic variability in plant-beneficial pseudomonads and azospirilla; genomic fluxes in phytopathogenic xanthomonads and pseudomonads; genome plasticity in obligate parasitic Phytoplasmas; comparative genomics of plant-growth-promoting and phytopathogenic *Herbaspirillum* species; horizontal gene transfer in planta and microevolution of plant-associated bacteria in the phytosphere. Plasticity in Plant-Growth-Promoting and Phytopathogenic Bacteria is recommended for all microbiology and plant biology laboratories.
