1. Record Nr. UNINA9910459781003321

Titolo	Phosphate solubilizing microbes for crop improvement [[electronic resource] /] / Mohammad Saghir Khan and Almas Zaidi, editors
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2009
ISBN	1-61728-561-7
Descrizione fisica	1 online resource (473 p.)
Collana	Agriculture issues and policies series
Altri autori (Persone)	KhanMohammad Saghir ZaidiAlmas
Disciplina	579/.1757
Soggetti	Soil microbiology Phosphates - Solubility Crop improvement Electronic books.
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	Biological importance of phosphorus and phosphate solubilizing microbes: an overview -- Novel approaches for analysis of biodiversity of phosphate-solubilizing bacteria -- Effects of phosphate-solubilizing microorganism on soil phosphorus fractions -- Role of plant growth promoting microorganisms for sustainable crop production -- Genetic and functional diversity of phosphate solubilizing fluorescent pseudomonads and their simultaneous role in promotion of plant growth and soil health -- Practical use of phosphate solubilizing soil microorganisms -- Phosphate-solubilization by psychrophilic and psychrotolerant microorganisms: an asset for sustainable agriculture at low temperatures -- Beneficial microbes in sustainable tropical crop production -- Molecular genetics of phosphate solubilization in rhizosphere bacteria and its role in plant growth promotion -- Strategies for development of microphos and mechanisms of phosphate-solubilization -- Variation in plant growth promoting activities of phosphate-solubilizing microbes and factors affecting their colonization and solubilizing efficiency in different agro-ecosystems -- Management of plant diseases using phosphate-solubilizing microbes -- Phosphate solubilizing microbes: potentials and success in

greenhouse and field applications -- Genetic and phenotypic characterization of phosphate-solubilizing bacteria and their effects on growth and symbiotic properties of alfalfa plants -- Microbial facilitation of phosphorus nutrition in sugarcane -- Phosphate solubilizing microorganisms for augmenting crop nutrition -- Phosphate solubilizing microorganisms: prospects, promises and problems -- Genetic manipulations of metal accumulation and heavy metal tolerance: improving plants for environmental remediation -- Biological control of plant nematodes with phosphate-solubilizing microorganisms.