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Nota di contenuto	Endophytic Bacteria: A Biotechnological Potential in Agrobiology System -- Beneficial Effect of Plant Growth Promoting Rhizobacteria on Improved Crop Production: the Prospectus for Africa, Asia, South America and other Developing Economies -- Role of Plant Growth Promoting Rhizobacteria for the Improvement of Certain Commercially Grown Medicinal Plants -- Rhizosphere Bacteria from Coastal Sand Dunes and their Applications in Agriculture -- Plant Associated Bacteria in Nitrogen Nutrition in Crops, with Special Reference to Rice and Banana -- Potential of Rhizobia in Productivity Enhancement of Macrotyloma uniflorum L. and Phaseolus vulgaris L. cultivated in Western Himalaya -- Root Nodule and Rhizosphere Bacteria for Legume Growth Promotion and Disease Management -- Bio-inoculants: Understanding Chickpea Rhizobia in Providing Sustainable Agriculture -- Plant Growth Promoting Rhizobacteria (PGPR) as Zinc Mobilizers: Promising Approach for Cereals Biofortification -- Functional Aspects of Phosphate Solubilizing Bacteria: Impotence in Crop Production --

Siderophores in Plant Growth Promoting Bacteria -- Role of Microbial Siderophores in Improving Crop Productivity in Wheat -- Induction of Plant Defense Response and its Impact on Productivity -- Plant Growth Promoting Rhizobacteria for Plant Immunity -- Integrated Disease Management in Groundnut for Sustainable Productivity -- The Effect of Volatile Metabolites from Rhizobacteria on *Arabidopsis thaliana* -- Exopolysaccharides of *Paenibacillus polymyxa* Rhizobacteria in Plant-Bacterial Interactions -- Interactions in Rhizosphere for Bioremediation of Heavy Metals -- The Green Remediation: State of the Phytoinhabitants in Bridging the Gap Between Plant Permeability and Chemical Remediation.

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#### Sommario/riassunto

The future of agriculture greatly depends on our ability to enhance productivity without sacrificing long-term production potential. The application of microorganisms, such as the diverse bacterial species of plant growth promoting rhizobacteria (PGPR), represents an ecologically and economically sustainable strategy. The use of these bio-resources for the enhancement of crop productivity is gaining importance worldwide. Bacteria in Agrobiology: Crop Productivity focus on the role of beneficial bacteria in crop growth, increased nutrient uptake and mobilization, and defense against phytopathogens. Diverse group of agricultural crops and medicinal plants are described as well as PGPR-mediated bioremediation leading to food security.

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