



Actinobacteria from Tropical Forest with Biotechnological Potential

By Vasconcellos, Rafael / Cardoso, Elke

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | A survey of plant growth promoting bacteria in the rhizosphere of Araucaria angustifolia | Araucaria angustifolia or Brazil Pine is a typical tree of the endangered Atlantic Forest biome, and for many decades it was the source of Brazilian wood. This species is also very important in providing food and feed, as well as raw material for joinery, cellulose pulp and varnish. Due to the economic and environmental importance of *A. angustifolia*, research projects involving the preservation and management of this species are becoming more urgent and necessary. Actinobacteria with antagonistic effects against the plant pathogens *Fusarium* sp. and *Armillaria* sp. and plant growth promotion activity were isolated. In this book we describe several microbial isolation techniques and greenhouse experiments that can be used to screen for growth promoting characters and are the base for new biotechnological products. Our results constitute a solid fundament to lead to the development of plant growth promoting bacterial inoculants and innovating technologies and management techniques with regard to the control of plant diseases, especially for coniferous tree species. | Format: Paperback | Language/Sprache: english | 60 pp.



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