

## ROLE OF BIO-FERTILIZERS IN VEGETABLE CROP PRODUCTION: A REVIEW

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### ABSTRACT

*In the recent years, there has been an increased dependence on chemical fertilizers and pesticides to enhance the production and productivity of agricultural sector to meet the growing global population. This has caused severe impacts on ecosystem. Thus, the search for an environment friendly alternative has ended while realizing the potential of biological inoculants like bio fertilizers and bio control agents. The present review elucidates the important roles and benefits of certain bio fertilizers in the production of agricultural crops. Bio fertilizers have the potential to meet the nutrient requirement of crop plants by increase fixation of mineral nutrients like nitrogen and phosphorus etc. by their respective nitrogen and phosphorus fixing bacteria's viz., Rhizobium, Azotobacter, Azospirillum and Phosphate solubilizing bacteria. Biofertilizers not only ensures the availability of nutrients to the plants but also maintains the soil fertility, ecosystem and improves the productivity of crop.*

**KEYWORDS:** Bio-fertilizer, Rhizobium, Azotobacter, Azospirillum, PSB