Review of: "The Role of Plant Growth-Promoting Bacteria (PGPB) in Soil Fertility Restoration in Chemical-Contaminated Areas"

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Plant growth-promoting bacteria (PGPB) are beneficial microorganisms that can enhance plant growth and health by various mechanisms. They can also help restore soil fertility in areas contaminated by chemicals, such as heavy metals, pesticides, or petroleum hydrocarbons. PGPB can improve soil quality by increasing organic matter, nutrient availability, water retention, and microbial diversity. They can also reduce the toxicity and mobility of contaminants by biodegradation, biosorption, or bioaccumulation. Therefore, the use of PGPB is a promising strategy for the remediation of chemical-contaminated soils and the restoration of agricultural productivity.