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

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Potential competing interests: No potential competing interests to declare.

Dear Editor,

- The article is well structured but does not provide enough information for a proper review. If not in the text the information may be represented in a tabular form.
- There quite a number review papers on of Plant Growth-Promoting Bacteria. If this review needs to stand out from the others, the author needs to elaborate on the focus area i.e. the role PGPB in soil fertility restoration in chemical-contaminated areas.
- The mechanism of bacterial action in relation to the detoxification of toxic elements is not well explained.
- There is very little mention of bacterial strains involved in chemical detoxification
- Upon checking for AI-generated content, it was found that the manuscript contains non-human written text. I recommend rewriting the text prior to publication
- Change PGPBs to PGPB
- The following papers can be incorporated in the review. There are more papers on theme that is available.

1. Poria, V., Dębiec-Andrzejewska, K., Fiodor, A., Lyzohub, M., Ajijah, N., Singh, S., & Pranaw, K. (2022). Plant Growth-Promoting Bacteria (PGPB) integrated phytotechnology: A sustainable approach for remediation of marginal lands. Frontiers in Plant Science, 13, 999866.,
2. Wang, Y., Narayanan, M., Shi, X., Chen, X., Li, Z., Natarajan, D., & Ma, Y. (2022). Plant growth-promoting bacteria in metal-contaminated soil: Current perspectives on remediation mechanisms. Frontiers in Microbiology, 13, 966226.,
3. Liu S, Liu H, Chen R, Ma Y, Yang B, Chen Z, Liang Y, Fang J, Xiao Y. Role of Two Plant Growth-Promoting Bacteria in Remediating Cadmium-Contaminated Soil Combined with Miscanthus floridulus (Lab.). Plants. 2021; 10(5):912. https://doi.org/10.3390/plants10050912,
4. Vocciante M, Grifoni M, Fusini D, Petruzzelli G, Franchi E. The Role of Plant Growth-Promoting Rhizobacteria (PGPR) in Mitigating Plant's Environmental Stresses. Applied Sciences. 2022; 12(3):1231. https://doi.org/10.3390/app12031231.

I would recommend elaboration of the various subheadings prior to publication.

Regards

Dr.K.Manjusha