

Review Form 1.7

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| Journal Name: | International Journal of Plant & Soil Science |
| Manuscript Number: | Ms_IJPSS_105644 |
| Title of the Manuscript: | Halotolerant plant probiotic bacterial isolates of mangrove soils of Chidambaram and Thanjavur |
| Type of the Article | Original Research Article |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy>)

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PART 1: Review Comments

| | Reviewer's comment | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
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| <p><u>Compulsory</u> REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p> | <ul style="list-style-type: none"> • Mangrove ecosystems are awfully productive all over the world inspite of their fragility and limited diversity. • Additionally, the microbiota of mangrove ecosystem could subsist thriving soil conditions like salinity and waterlogging. • It has been reported that Plant growth promoting and abiotic stress tolerating microorganisms from the mangrove ecosystem can be exploited for growing crops in saline, sodic, and saline sodic soils. ○ Yes, the title of the manuscript is suitable and appropriate enough. ○ Yes, the abstract written is comprehensive. ○ Yes, they are appropriate enough inscribing various significant aspects. ○ The presentation of the Abstract, Introduction, Materials and Methods, Results and Discussion, and Conclusion are exceptionally appreciable. ○ The data have been concisely documented in the tabular forms. • The study has demonstrated that the bacterial isolates from the mangrove area are not only halotolerant but also have characteristics that promote plant growth. • These plant-growth promoting bacteria can be utilized to develop plant probiotic formulations to endorse crop growth and endure agriculture in abiotically stressed soils such as saline, sodic, and saline sodic soils. • The references cited are adequate and recent enough. | |
| <p><u>Minor</u> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p> | <ul style="list-style-type: none"> • 3.2, 4th line: from the rhizosphere; of the mangrove ecosystem- add the articles. • Pg. no.2, 1st line: superoxide dismutase-remove the redundancy. • The usage of the English language is appropriate and well suitable for scholarly communications. | |

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| Optional/General comments | <ul style="list-style-type: none">Overall, the manuscript has been succinctly authored, noticeably accompanied by the documentation of the observations illustratively in the associated Tabular forms. | |

PART 2:

| | Reviewer's comment | Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
|---|--|---|
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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|----------------------------------|---|
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