

Review Form 3

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|--------------------------|---|
| Journal Name: | Asian Journal of Research in Crop Science |
| Manuscript Number: | Ms_AJRCS_127134 |
| Title of the Manuscript: | The Potential of Algal Consortium as an Innovative and Effective Biofertilizer for Sustainable Agriculture in India |
| Type of the Article | |

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here) |
|--|--|---|
| Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part. | This manuscript is of considerable importance to the scientific community as it addresses critical challenges in sustainable agriculture by emphasizing the potential of algal consortium-based biofertilizers. It advances the understanding of eco-friendly alternatives to synthetic fertilizers, aligning with global efforts to reduce environmental degradation while maintaining agricultural productivity. | |
| Is the title of the article suitable? (If not please suggest an alternative title) | Yes | |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | Yes. It may start like "The growing demands of agriculture and the necessity to reduce the environmental impacts of chemical fertilizers have brought algal biofertilizers to the forefront as a sustainable solution." Instead "With increasing agricultural demands" | |
| Are subsections and structure of the manuscript appropriate? | Yes | |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | The manuscript explores innovative formulation techniques, including microencapsulation, nano-immobilization, and biofilm-based approaches, presenting cutting-edge solutions to improve biofertilizer efficacy and application. This interdisciplinary research bridges microbiology, biotechnology, and environmental sciences, fostering collaborative efforts to address global food security challenges. | |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. | Yes | |
| Minor REVISION comments | Little improvement in the language needed Charts with data label will improve the illustration | |
| Is the language/English quality of the article suitable for scholarly communications? | | |
| Optional/General comments | | |

PART 2:

| | 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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| 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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| Name: | P. Dheivanai |
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