

**Review Form 1.7**

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| Journal Name:            | <a href="#">International Journal of Environment and Climate Change</a>  |
| Manuscript Number:       | Ms_IJECC_109974  |
| Title of the Manuscript: | STUDIES ON INFLUENCE OF LIPO-CHITO OLIGOSACCHARIDES, NANO AND WATER SOLUBLE FERTILIZER ON GROWTH AND YIELD OF SOYBEAN [Glycine max (L.) Merrill] |
| Type of the Article      |  |

## Review Form 1.7

### 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) |
|--|---|---|
| <p><b>Compulsory REVISION</b> comments</p> <p>1. <b>Is the manuscript important for scientific community?</b><br/>(Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b><br/>(If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p> | <p><b>Yes. This kind of application oriented research works must be presented to the scientific community.</b></p> <p><b>Yes</b></p> <p><b>Yes but still requires more information on every aspects of the research work.</b></p> <p><b>Yes</b></p> <p><b>Yes</b></p> <p><b>Highly insufficient need more references in recent years too.</b></p>   |   |
| <p><b>Minor REVISION</b> comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>   | <p><b>The language of the manuscript must be improved. Required English language corrections.</b></p>   |   |
| <p><b>Optional/General</b> comments</p>  | <p>The following are the comments should be addressed by the authors:</p> <p>Comment 1:<br/><b>Abstract</b><br/>'spray at flowering and pod filling stages recorded significantly higher leaf area, leaf area index at 60 DAS'<br/><b>Is it meaningful to spray in flowering stage or after play role in leaf area?</b></p> <p>Comment 2:<br/><b>Introduction</b><br/>"It has a protein content of roughly 40 per cent with well-balanced essential amino acids, 20 per cent oil rich in polyunsaturated fatty acids, 7 per cent mineral content, 6 per cent crude fiber and 17–19 per cent carbohydrates. Soybean protein quality is on par with that of meat, milk, and eggs."<br/><b>Rewrite the statement legitimately with proper citations.</b></p> <p>Comment 3:<br/><i>"Brady Rhizobium japonicum"</i><br/><b>Correct the spelling of the microbial species as "Bradyrhizobium japonicum"</b></p> <p>Comment 4:<br/><b>The biochemical analysis like nitrogen content will be useful in analyzing the possibility of LPO's influence on nodule formation and their functions.</b></p> |   |

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|  | Comment 5:<br><b>Summing up of overall findings and filling up of scientific gaps were missing in Results and Discussion part.</b> |  |
|  | Comment 6:<br><b>Improve the English language of the manuscript.</b>   |  |

**PART 2:**

|   | <b>Reviewer's comment</b>  | <b>Author's comment</b> <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> |
|---|--|---|
| <b>Are there ethical issues in this manuscript?</b> | <i>(If yes, Kindly please write down the ethical issues here in details)</i> |   |

**Reviewer Details:**

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|----------------------------------|-----------------------------------|
| Name:                            | <b>M. Jothi Basu</b>              |
| Department, University & Country | <b>Alagappa University, India</b> |