

## REVIEWER'S REPORT

Manuscript No.: IJAR-55682

**Title: Effect of Different Fluoride Ion Concentrations on Germination, Vigour Index, and Fresh Leaf Yield of Spinach (*Spinacia oleracea*) Varieties.**

### Recommendation:

Accept as it is .....

Accept after minor revision.....

**Accept after major revision .....**

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality			x	
Techn. Quality			x	
Clarity		x		
Significance		x		

**Reviewer Name: Dr. Hari Prashad Joshi**

### *Detailed Reviewer's Report*

This study addresses a relevant environmental issue with a clear experimental design and valuable findings regarding fluoride tolerance in spinach varieties. The manuscript is generally well-structured, with appropriate methodology and clear, dose-dependent results. However, it requires major revision before acceptance. Key concerns include the incomplete presentation of results: Figures 2, 3, and 4-7 are referenced but not provided or described in the text, and the data table is poorly formatted, hindering interpretation. The results and discussion section is underdeveloped, lacking statistical analysis (e.g., ANOVA) to support claims of significant differences and failing to compare findings adequately with existing literature. The conclusion is brief and would benefit from broader implications for agriculture and mitigation strategies. Additionally, reference formatting is inconsistent. Addressing these issues by integrating missing visuals, expanding the analysis, and strengthening the narrative will significantly enhance the manuscript's clarity and scholarly impact.