

Review Form 3

Journal Name:	European Journal of Medicinal Plants
Manuscript Number:	Ms_EJMP_122771
Title of the Manuscript:	Yield gap analysis of Turmeric in Tirap district of Arunachal Pradesh
Type of the Article	

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>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.</p>	<p>This manuscript provides valuable insights into the potential for improving turmeric productivity in Tirap district of Arunachal Pradesh. The study demonstrates the effectiveness of frontline demonstrations (FLDs) conducted by the Krishi Vigyan Kendra (KVK) in increasing turmeric yields compared to traditional farming methods. The manuscript presents a comprehensive analysis of the yield gap, technology gap, extension gap, and technology index. The economic analysis supports the viability of the improved practices, showing higher net income and benefit-cost ratios in the FLD plots compared to farmers' practices. The findings of this study are particularly relevant for the scientific community as they highlight the importance of disseminating improved technologies to farmers for enhancing crop productivity. Furthermore, the manuscript contributes to the existing knowledge on turmeric cultivation in the region, providing insights into the challenges faced by tribal farmers and the potential solutions offered by scientific interventions.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, it's suitable for me.</p>	
<p>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.</p>	<p>The abstract of the manuscript provides a clear overview of the study, including key findings related to yield comparisons, economic viability, and technology gaps. However, there are several suggestions for improvement to enhance its comprehensiveness:</p> <ul style="list-style-type: none"> - Clarity and Conciseness: The abstract could benefit from clearer phrasing, particularly in the presentation of numerical data. - Contextual Background: A brief statement about the significance of turmeric cultivation in the region and the challenges faced by farmers. - Implications of Findings: Adding a sentence on the broader implications of the findings for agricultural practices in similar regions. 	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Overall, the manuscript follows a logical flow and the subsections are well-defined and appropriate for the content. However, I suggest to describe the study area under a separate sub-heading.</p>	
<p>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.</p>	<p>The study employs FLDs to assess the impact of the Megha Turmeric-1 variety on yield, which is a well-established approach in agricultural research for evaluating new technologies in real-world settings. The use of control plots allows for a clear comparison between traditional practices and the improved methods, providing credible evidence of the benefits associated with the new variety. Additionally, the manuscript presents detailed statistical data, including technology gaps, extension gaps, and benefit-cost ratios, which support the conclusions drawn from the research. The economic analysis further strengthens the findings, indicating that the improved practices not only enhance productivity but also provide greater financial returns for farmers. Overall, the combination of empirical data, rigorous methodology, and clear presentation of results contributes to the manuscript's scientific correctness and makes it a valuable resource for both researchers and practitioners</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>:-</p>	<p>The references provided in the manuscript are sufficient and cover relevant aspects of the study. However, there are a few suggestions:</p> <ul style="list-style-type: none"> - Include more recent references - Incorporate references that discuss the specific challenges faced by tribal farmers in Arunachal Pradesh - Include references that discuss the effectiveness of frontline demonstrations - Consider adding references that compare the performance of the Megha Turmeric-1 variety with other popular turmeric varieties in the region. 	

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Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	English language standard is poor.	
Optional/General comments	Research gap is not clearly stated in the introduction section. The citation is not given properly. Acronyms/abbreviation: without full form, repetition of full form etc.	

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)
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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