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| Journal Name: | [**Asian Journal of Agricultural Extension, Economics & Sociology**](https://journalajaees.com/index.php/AJAEES) |
| Manuscript Number: | **Ms\_AJAEES\_131922** |
| Title of the Manuscript: | **GROWTH, INSTABILITY AND DECOMPOSITION IN AREA, PRODUCTION, AND YIELD OF CHILLI IN INDIA** |
| Type of the Article | **Original Research Article** |

PART 1: Comments

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|  | **Reviewer’s comment**  **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **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. A minimum of 3-4 sentences may be required for this part.** | This manuscript provides valuable insights into the growth trends, instability, and decomposition of area, production, and yield of chilli in India, offering a comprehensive understanding of the dynamics shaping this vital spice crop. By analyzing long-term patterns and identifying key factors influencing fluctuations, it helps policymakers, researchers, and farmers make informed decisions to enhance chilli production and ensure stability in the sector. The findings contribute to the broader discourse on agricultural sustainability and food security, particularly in the context of climate variability and market dynamics. Additionally, the study's methodological approach can serve as a reference for similar analyses in other crops and regions. | This manuscript provides valuable insights into the growth trends, instability, and performance of chilli production in India. It examines a 30-year span of chilli cultivation, analyzing area, production, and yield dynamics. The findings indicate that while the cultivation area has decreased, yield growth has played a more significant role in overall production performance. In India, fluctuations in growth trends, stability, and decomposition are largely influenced by external factors such as climate variations, pest infestations, and disease outbreaks. This study offers meaningful insights for researchers exploring the trends and challenges of chilli cultivation in India |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The current title effectively conveys the key themes of the study. | Yes. But I would like suggest another title “GROWTH, INSTABILITY AND DECOMPOSITION ANALYSIS OF CHILLI CULTIVATION IN INDIA” |
| **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.** | The abstract is well-structured and presents the key aspects of the study clearly. However, a few refinements can improve clarity and comprehensiveness like the abstract should explicitly state the research objective at the beginning to ensure clarity. For example, “This study aims to analyze the growth trends, instability, and decomposition of chili cultivation in India over the past 30 years.” | This study analyzes the growth, instability, and decomposition of chilli cultivation in India over a 30-year period using secondary data. |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, the manuscript appears to be scientifically correct as it employs appropriate analytical methods, such as CAGR, CDVI, and decomposition analysis, to assess trends and variability in chill cultivation. The findings align with logical agricultural and economic principles, making the study valid and relevant. | Yes |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Yes, the references are pretty sufficient, but it would be better if more recent studies were included to strengthen the analysis with the latest trends and findings. Incorporating recent research (from the last 5 years) on chili production, agricultural growth analysis, and climate impacts on crop yield could enhance the study’s relevance. | Yes |
| **Is the language/English quality of the article suitable for scholarly communications?** | Yes, the language quality of the article is suitable for scholarly communication. However, small improvements in clarity and conciseness could make it even better. | Yes |
| **Optional/General** comments |  |  |

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| **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?** | *(If yes, Kindly please write down the ethical issues here in details)* | No |