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| Book Name: | [**Current Research Progress in Agricultural Sciences**](https://www.bookpi.org/bookstore/product/current-research-progress-in-agricultural-sciences-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4313** |
| Title of the Manuscript:  | **An Economic Analysis of Changes in Cropping Pattern in Parbhani District of Maharashtra, India: A Markov Chain Approach** |
| Type of the Article | **Book Chapter** |

**General guidelines for the Peer Review process:**

This Book’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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**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Journal of Experimental Agriculture International, 16(11): Page 483-489, 2024**

[**https://doi.org/10.9734/jeai/2024/v46i113070**](https://doi.org/10.9734/jeai/2024/v46i113070)

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| PART 1: 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. A minimum of 3-4 sentences may be required for this part.** | **Given the vastness of the border areas of countries and the climatic diversity of different regions, it is an undeniable necessity to achieve a suitable cultivation pattern that can maximize the utilization of production factors and institutions, especially the limiting factor of water.****It should be said that there are many definitions of cultivation pattern, and the most comprehensive of these definitions seems to be as follows: "Cultivation pattern is the determination of an agricultural system with sustainable economic advantages based on the country's macro policies, the indigenous knowledge of farmers, and the optimal use of regional potentials by observing the ecophysiological principles of agricultural product production in order to protect the environment."****The above definition highlights the fact that in many regions of the world, the cultivation of crops, gardens, or the exploitation of pastures and forests is proportionate to regional potentials and production factors. Given the existing climatic constraints, the negative water balance of the plains, and the need for sustainable crop production, it requires us to move towards methods that help improve groundwater aquifers and increase water use efficiency.****In my opinion, as a reviewer of the article, the explanation regarding the importance of the cropping pattern and its changes in the study area (India) has been mentioned in the first part of the article; but the authors of the article can improve and enhance this importance. With the explanation that changes in the cropping pattern can affect food security in the study area and on the other hand, it can also be considered in the sustainability of agricultural water resources.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes, given the content of the article, an appropriate title has been used. Of course, the following suggested title could also be considered.****“Economic analysis of the impact of changes in cropping patterns in the Parbhani district of Maharashtra, India: A Markov chain approach”** |  |
| 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. | **It is better to add the following two items to the abstract:****1- The important statistical results of the research should be briefly added in the text of the abstract (after stating the first introduction and research method).****2- Important suggestions derived from this research (implementation plan or implementation policy) should be added as the authors' main and final recommendations at the end of the abstract.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **All the parts that make up a good scientific article (including abstract, introduction, research method, results and discussion, conclusion, references) have been seen in this article. The authors only need to clearly state the importance and necessity of conducting the research in the introduction section. On the other hand, the authors should use more up-to-date references and sources (after 2021) in the text of the article. In recent years, a lot of research has been conducted in the field of determining optimal cultivation patterns and the effects of changing them in all parts of the world. Therefore, it is better to use newer research and the results of the work obtained from them in the text of the article.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **Yes, but there is a need to use more up-to-date sources (after 2021) regarding the topic under consideration and its importance in the introduction section. The sources related to the research methods section are appropriate.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | **In terms of quality, it can be said that the content of the article is prepared with a relatively good to good quality. There were no spelling or editing errors in the text, and the sentences were presented concisely and with a relatively good scientific and structural editing. Therefore, the quality level of this article is acceptable.** |  |
| Optional/General comments | **Overall, this article is appropriate in terms of writing style, but it would be better if newer sources were used in the introduction. The section on scientific suggestions or recommendations also definitely needs to be strengthened. The authors should be able to make practical recommendations for solving the problem in the study area based on the results obtained.****1- Use more recent sources in the introduction section and present the importance of the topic more clearly.****2- In the results section, more maneuvers should be made on the analyses and evaluations carried out.****3- Scientific recommendations or suggestions derived from the research results should be presented in the final section of the article (2 to 4 practical suggestions or recommendations).****4- The abstract section should also be strengthened (according to the explanations related to the abstract section).** |  |

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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)* |  |

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| **Reviewer Details:** |
| Name: | **Anonymous reviewer (Only for this stage as per Review policy)** |
| Department, University & Country |  |