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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\_4698** |
| Title of the Manuscript: | **CLIMATE-SMART AGRICULTURE: ADAPTIVE STRATEGIES FOR ENHANCING RESILIENCE TO CLIMATE VARIABILITY** |
| Type of the Article | **Book Chapter** |

**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.**

**PLANT SCIENCE TODAY, 12(1): 1-7, 2025.**

**DOI:** [**https://doi.org/10.14719/pst.6107**](https://doi.org/10.14719/pst.6107)

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| PART 1: Comments | | |
|  | 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.** | **The author has attempted to recognize the importance of the farmers adaptive behaviour in response to climate change through using the existing knowledge and examining measures for mitigating climate variabilities. The author adresses the issue through the use of adaptive strategies, such as climate smart agriculture and early warning systems to help reduce climate-induced vulnerabilities of farmers and smalholders.**  **The article has also integrated all the perspectives of a more global and dynamic approach in order to propose a combination of efficient and effective solutions in the quest for food self-sufficiency and reduce climate-induced vulnerabilities which could constitute the contribution of this manuscript.**  **This manuscript has brought together the main keys to food security, sustainable and resilient agriculture in the context of global climate change effects.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The title is precise, relevant and adapted to the content of the manuscript.** |  |
| 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 has been written to standard, with the research problem clearly stated at the outset. The objective is well specified.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Improved and resilient agriculture seen from the perspective of sustain agriculture encompass intentional practices of climate smart agriculture that could improve food safety and empower farmers to make face with the hazards induced by the dynamics of climate change.**  **To develop an interdisciplinary framework for integrated analysis of interactions between agricultural activities, sustainability and resilience, the author has adopted a systemic modeling approach, which has fueled with a review of advances in theories and methods .**  **This manuscript puts forward systemic modeling as a means of advancing our understanding of complex systems that are poorly understood in the real world, based on a general approach to agronomic science from review and synthesis of existing literature on farmers' climate change adaptation strategies, to identify trends and gaps in research in this field.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **References and suggested citations are sufficient and recent. Citations are for genuine scientific reasons that emphasize the current topic of study in context. Otherwise, the presentation should be checked as its formal norm (see the Ms\_file)** |  |
| Is the language/English quality of the article suitable for scholarly communications? |  |  |
| Optional/General comments | **Congrats on the study, the work will have great application and science will move forward!!** |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewers:**

**Rasolondraizafy Jean Fidison, University Of Antananarivo, Madagascar**