

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_97362
Title of the Manuscript:	Climate Smart Agriculture: Need for Food Security and Sustainability
Type of the Article	

General guideline for Peer Review process:

This journal'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 guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

Review Form 1.7

PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. Yes, it is an important manuscript for the scientific community as it sheds light on the impact of climate change on agriculture and the need for sustainable farming practices to ensure food security. The manuscript highlights the urgent need to adopt climate-smart agriculture practices to mitigate the negative effects of climate change on crop yields and to ensure the long-term sustainability of agriculture.</p> <p>2. Yes, the title is suitable for the article as it accurately reflects the main topic and purpose of the manuscript. The title clearly communicates the focus of the article, which is the need for sustainable farming practices that are adapted to the changing climate to ensure food security and the long-term sustainability of agriculture. Overall, the title is clear, concise, and accurately represents the content of the article.</p> <p>3. Yes, the abstract of the article is comprehensive as it provides a clear and concise summary of the main points covered in the manuscript.</p> <p>4. Fairly much ok but can be reformed for better as follows: Abstract 1.0 Introduction 2.0 Concept of Climate-Smart Agriculture 3.0 Climate-Smart Agriculture Practices in India/Country Name 3.1 Strategic climate-smart approaches 3.1.1 <i>Climate-Smart Village</i> 3.1.2 <i>National Initiative on Climate-Resilient Agriculture</i> 3.1.3 <i>Natural Resource Management Module</i> 3.1.4 <i>Crop Production Module</i> 3.1.5 <i>Livestock and Green Fodder Production</i> 3.2 Conservation Agriculture 3.2.1 <i>Minimum Mechanical Soil Disturbance</i> 3.2.2 <i>Permanent Soil Organic Cover</i> 3.2.3 <i>Diversification</i> 3.3 Natural Farming 4.0 Climate-Smart Agriculture for Food Security and Sustainability 5.0 Conclusion References</p> <p>5. Yes, I think the manuscript is scientifically correct.</p> <p>6. There is no need for so many references outside of citations. The references provided are recent.</p> <p>Here are some latest references:</p> <p>Singh, N., Singh, R. K., & Lal, R. (2021). Soil carbon sequestration and climate-smart agriculture for food security in India. <i>Current Opinion in Environmental Science & Health</i>, 18, 79-86.</p> <p>Gopinath, K. A., & Padmaja, G. (2021). Climate smart agriculture (CSA) and its potential in mitigating climate change impact on food security in India. <i>Agricultural Reviews</i>, 42(1), 45-58.</p> <p>Khatun, M., & Singh, P. (2021). Adoption of climate-smart agricultural practices and its impact on crop productivity and food security in India: a review. <i>Environmental</i></p>	

Review Form 1.7

	<p>Science and Pollution Research, 28(16), 20067-20081.</p> <p>Srivastava, A., Singh, R. K., & Sharma, A. K. (2021). Climate-smart agriculture: a promising approach for enhancing food security and rural livelihoods in India. <i>Agroecology and Sustainable Food Systems</i>, 45(7), 839-864.</p> <p>Sharma, R., & Nair, R. (2021). Climate-smart agriculture for food security in India: potential and challenges. <i>Journal of Agricultural Science and Technology</i>, 23(1), 109-119.</p>	
Minor REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	Yes, the Language/English of the article is suitable for scholarly communication.	
Optional/General comments	<ol style="list-style-type: none">1. The content of the research is very scientific and applicable to Farmers for smart agriculture.2. The citation may be corrected as "Kumar M. and Sehgal S. (2014) found that the growth rate of food grain production in India has decelerated from 2.85 percent in the 1980s to 2.02 percent in the 1990s and 2.12 percent in the 2000s."3. The Keywords may be written as: Climate Change, NICRA, Natural Farming, Conservation Agriculture, Food Security.4. Some photographs may be added.	

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:

Name:	Sree Pradip Kumer Sarker
Department, University & Country	University of Dhaka, Bangladesh