

### Review Form 3

Journal Name:	<a href="#">International Journal of Environment and Climate Change</a>
Manuscript Number:	Ms_IJECC_124357
Title of the Manuscript:	CONSERVATION AGRICULTURE AND CROP RESIDUE MANAGEMENT
Type of the Article	Review Article

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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## Review Form 3

### PART 1: Review Comments

Compulsory REVISION 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)
<b>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.</b>	The research on "Conservation Agriculture and Crop Residue Management" is vital for addressing soil and resource degradation caused by intensive cropping systems in India. It highlights the benefits of conservation agriculture practices, such as reduced soil disturbance, crop rotation, and effective crop residue management, to sustain agricultural productivity. The study emphasizes the role of crop residues in enhancing soil health, water conservation, and nutrient availability, thereby improving overall resource use efficiency. It also showcases how modern residue management techniques, like mulching and green manure crops, can contribute to sustainable agriculture and better environmental outcomes.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<b>Yes</b>	
<b>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.</b>	<b>No. add information for example:</b> By 2025-26, India may require 40-50 million tonnes of fertilizer nutrients. Research indicates that approximately 30 million tonnes of NPK are depleted from the soil, while only 20 million tonnes are replenished, resulting in a deficit of 10 million tonnes.	
<b>Are subsections and structure of the manuscript appropriate?</b>	No. The section titled "Factors Affecting Residue Decomposition" can be removed as it does not align with the main focus of the title. Sections such as "7.3. Conservation Agriculture and Residue Management Studies Abroad" and "7.2. Residue Management Research Findings at IARI, New Delhi" are out of place within the current structure. Add this to introduction	
<b>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.</b>	it provides a comprehensive analysis of the impact of conservation agriculture on sustainable yield and productivity in India. It correctly identifies key principles such as minimal soil disturbance, crop rotation, and effective residue management as essential for maintaining soil health and reducing resource degradation. The study supports its claims with data on crop residue production and nutrient content, demonstrating the potential benefits of these practices. It also incorporates findings from various studies to validate that reduced tillage and proper residue management can improve economic returns and resource efficiency compared to conventional farming. Though, how pertinent is the data on the estimated area under various crops and their corresponding residue production in India for the year 2010 (Table 4, Source: Directory of Indian Agriculture (1997)), given that it is now 14 years old?	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -</b>	<b>Yes. Though</b> , in most cases, the references should incorporate recent research relevant to the current study and should generally not exceed five years old, except for books recognized as classics or foundational works in the field, as these are considered timeless. Strive to use recent peer-reviewed journals and periodicals as much as possible.	
Minor REVISION comments <b>Is the language/English quality of the article suitable for scholarly communications?</b>	Yes	
<b>Optional/General</b> comments	Section: <b>1. Introduction</b> requires editing. The problem needs to be introduced from global, regional, national, and then local context. <ul style="list-style-type: none"> <li>Table 4 needs to be reorganized so that the column on "Total residue production (Mt, air dry)" is positioned last on the right, and the column on "Residue to final economic produce ratio" is placed second to last. This is applicable also to Table 3, Table 5 and table 6.</li> <li>Section 4. on "Factors Affecting Residue Decomposition" don't have references considering that this is a review article.</li> <li>Conclusions should be based on the findings and organized as per the objectives. The write up should be in prose. It is advisable to state e.g. This review resulted in three (3) main conclusions as follows. E.g. "Based on the findings that XYZ, it is logical to conclude that ...". Secondly, .... Thirdly..... lastly,,etc.</li> <li>Implications or policy considerations are missing.</li> </ul>	

### 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)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

### Reviewer Details:

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