

## Review Form 1.7

Journal Name:	<b>International Journal of Environment and Climate Change</b>
Manuscript Number:	<b>Ms_IJECC_105988</b>
Title of the Manuscript:	<b>Study on Shifting Cultivation Cycle (Jhum Cycle) in Mokokchung District of Northeast India Using Multi Temporal and Land-Sat TM Satellite Data</b>
Type of the Article	<b>Original Research Article</b>

### **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> )

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**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><b>Compulsory</b> REVISION comments</p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>1. The manuscript attempts to determine the local estimate of shifting cultivation fallow cycles through remote sensing, which can help in decision making and policy action in the Northeastern region of India. It might be relevant to add in the paper, why the study pertains to specific time period, and not include data of the last 10 years.</p> <p>2. There is a need to modify the title, as it only mentions Landsat data, while the author has used multiple satellite data sources. it can be alternatively changed to : Study on Shifting Cultivation Cycle (Jhum Cycle) in Mokokchung District of Northeast India Using Multi Temporal Satellite Data</p> <p>3. The abstract seems to cover most aspects. Please check the names of the software used. Also, mention the years for which IRS data have been procured.</p> <p>4. The subsections and structure of the manuscript seem appropriate.</p> <p>5. The manuscript deals with mapping the area under shifting cultivation, the methods for which have been under contention due to the dynamic nature of this agricultural practice. Therefore, it is important to explain which stage of the practice has been identified in the classification and include limitations (if any) of the study methods.</p> <p>6. Yes, the references are sufficient and recent.</p> <p>In addition to the above comments, I would like to add a few more points for your consideration :</p> <ul style="list-style-type: none"> <li>a) Please consider mentioning in more detail, the areas depicted in the map in Fig 1., especially for the journal's international audience</li> <li>b) Please consider explaining the method of ground truth assessment, i. e. the number of ground truth data points taken for verifying the classification and also if possible, the percentage accuracy of the assessment.</li> <li>c) Please include more discussion of the results of the area under shifting cultivation over the time period.</li> </ul>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes, the language of the paper seems suitable for communication.</p>	
<p><b>Optional/General</b> comments</p>	<p>NA</p>	

**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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