

Review Form 1.7

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_95578
Title of the Manuscript:	Assessment of land use -land cover change in Irga river catchment using object-based image classification technique
Type of the Article	Original Research 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>)

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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>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p> <p>YES</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>YES, the article suitable for scholarly communications</p>	
<p>Optional/General comments</p>	<p>The manuscript shows good results. However, some minor parts need to be considered.</p> <ol style="list-style-type: none"> research objectives are not included in the abstract The catchment receives an annual rainfall of 1100-1350 mm. → 1,100 – 1,350 (thousand separators), also applies to all body text in manuscript The Segmentation parameters shape and compactness factor used 0.2 and 0.8 for all three year images → need a citation for the value used The error matrix for each year was generated by comparing the predicted value from classified map to ground control points (reference data). → GCP is usually used for orthomosaic processes. The correct use of the word is ground truth data or testing data Reference data for the years 1997 and 2007 were collected with satellite data from the same year different seasons by visual interpretation and using Google Earth, while in-depth field visits for 2017. → this is confusing, is there any reference data available using google earth for 1997 and 2007? How much training and testing was used in this study? How much is training data for each LULC class? the author has not written clearly 	

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

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