

### Review Form 3

Journal Name:	<b>Journal of Geography, Environment and Earth Science International</b>
Manuscript Number:	<b>Ms_JGEESI_120894</b>
Title of the Manuscript:	<b>PREPARATION OF LAND USE LAND COVER (LULC) FOR PANCHGANGA RIVER BASIN USING REMOTE SENSING AND GIS</b>
Type of the 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:

<https://r1.reviewerhub.org/general-editorial-policy/>

#### **Important Policies Regarding Peer Review**

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**PART 1: Review Comments**

<b><u>Compulsory</u></b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><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></p>	<p>For me, this manuscript provides an in-depth understanding of changes in land use and land cover (LULC) over a 30-year period which were analyzed using remote sensing and GIS techniques, this study produces accurate LULC maps for 1991, 2001, 2011, and 2021, with satisfactory coefficients. The research results showed a decrease in agricultural land, water bodies, barren land, and forests, while urban residential areas increased significantly. This knowledge is very important for decision-making, sustainable resource administration, and efficient environmental planning in the area and is also important for other researchers as a reference for developing or conducting other similar research</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>yes</p>	
<p><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></p>	<p>That's enough</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>This manuscript is good where the researcher includes additional data besides the article, and appendix. However, in this manuscript, it is best to include it according to the template provided by the journal manager.</p>	
<p><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></p>	<p>This manuscript has scientific validity because it uses remote sensing and GIS techniques to analyze changes in land use and land cover (LULC) over a 30-year period. The accuracy of the classification was assessed by the error matrix approach and the Kappa coefficient was satisfactory (0.78 to 0.82) indicating the reliability of the data used. Additionally, the study includes a comprehensive long-term analysis, which provides in-depth insights into the dynamics of land change in the Panchganga watershed. All this shows that the methodology used is technically sound and the results are reliable to support sustainable resource management decisions.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>Yes, but are the 90s references still as relevant today?</p>	
<p><b><u>Minor</u></b> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>yes</p>	
<p><b><u>Optional/General</u></b> comments</p>	<p>I hope the author includes the source of the images used and revises the numbering section</p>	

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**PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> <i>(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)</i>
<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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