

### Review Form 3

Journal Name:	<a href="#">Current Journal of Applied Science and Technology</a>
Manuscript Number:	Ms_CJAST_123796
Title of the Manuscript:	Monitoring Land Use and Land Cover change through earth observation datasets and metric analysis in the Barabanki District, Uttar Pradesh, India
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:

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<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>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.</p>	<p>The article examines important from a scientific and practical point of view issues related to land use and land cover and their influence on. The remote and field research methods used by the authors allow a comparison to be made regarding the dynamics of land use. The results obtained enable planning and effective management of land resources to ensure that agriculture does not negatively affect environmental sustainability.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title is appropriate and reflects the essence of the work.</p>	
<p>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.</p>	<p>The summary correctly presents the research conducted and the results obtained.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>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.</p>	<p>The article uses scientific methods and approaches to research the presented objects. The methodology of using satellite data, which is confirmed by a Polish survey, allows to obtain correct final results /classified maps/ and to draw precise conclusions. The research approach used makes it possible to differentiate the land use and land cover of the researched site, which is mainly represented by agricultural areas, with limited natural areas remaining. These natural features have been reliably found to be insufficient to maintain significant biodiversity or to provide sufficient ecological services.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>The cited articles are properly selected and support the research conducted. It is important to point out that most of the publications used are after 2010 - 2014.</p>	
<p><b>Minor</b> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes</p>	
<p><b>Optional/General</b> comments</p>	<p>The issues discussed in the article refer to a comparative study of land use and land ownership in different periods /2013 and 2023/ of the studied territory. The remote and field methods used allow quickly and with great accuracy to determine the studied characteristics and, on this basis, to prepare relatively accurate maps. Incorporating environmental requirements into land use planning is essential to maintain ecological health and resource sustainability, which is directly related to agricultural development in the study area.</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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