

**Review Form 3**

Journal Name:	<b>Journal of Geography, Environment and Earth Science International</b>
Manuscript Number:	<b>Ms_JGEESI_122129</b>
Title of the Manuscript:	<b>Contribution of fractional cover analysis for monitoring degraded ecosystems at the watershed level</b>
Type of the Article	

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**PART 1: Review Comments**

<b><u>Compulsory</u></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>
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.	It is interesting because this research used the NDFI to analyze ecosystem degradation and recovery, linking degradation in the Ponasa watershed to vegetation loss and increase of bare soil, without a clear relationship with fragmentation.	
Is the title of the article suitable? (If not please suggest an alternative title)	The title is appropriate	
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.	The summary is correct and is in line with what is stated in the article.	
Are subsections and structure of the manuscript appropriate?	The structure of the manuscript is in accordance with the standards requested of the authors.	
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.	This manuscript is scientifically sound because it uses a validated approach, such as NDFI, to analyze ecosystem degradation, based on quantifiable data and reproducible methods. In addition, it employs advanced tools such as Google Earth Engine, which ensures accuracy in the interpretation of vegetation and soil changes.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	The references used are sufficient and mostly up to date.	
<b><u>Minor</u></b> REVISION comments  Is the language/English quality of the article suitable for scholarly communications?	The linguistic/English quality used in this manuscript is correct.	
<b><u>Optional/General</u></b> comments	<p>This paper presents a well-founded investigation of ecosystem degradation and recovery using NDFI and spectral mixture analysis in Google Earth Engine. The methodology is sound and uses advanced tools to obtain accurate data, which strengthens the technical validity of the study. The results demonstrate a clear relationship between loss of photosynthetic activity, increased bare soil, and ecosystem degradation, although the connection with fragmentation is less evident. The innovative approach in using satellite imagery to monitor ecological recovery adds value to the field of environmental restoration. However, further explanation of limitations and possible future applications would be useful to further consolidate the findings.</p> <p>In summary, the manuscript is technically correct, relevant, and presents a modern and applicable approach to critical environmental problems.</p>	

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#### **PART 2:**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (if agreed with the 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>	<u>NO</u>	

#### **Reviewer Details:**

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