

## REVIEWER'S REPORT

Manuscript No.: IJAR-53973

Date: 22.09.2025

**Title: LAND USE DYNAMICS AND SOIL VULNERABILITY TO WATER EROSION IN THE AGNEBY WATERSHED (IVORY COAST).**

**Recommendation:**

**Accept as it is for Publication**

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity			✓	
Significance		✓		

Reviewer Name: **Dr. Gautam V. Desai**

Date: 22.09.2025

### Reviewer's Comment for Publication.

The study provides a comprehensive analysis of land use dynamics and their implications on soil vulnerability to water erosion in the Agnéby watershed. The findings are significant for understanding environmental degradation and guiding sustainable land management strategies. The research is satisfactory, relevant, and suitable for publication.

### *Detailed Reviewer's Report*

The manuscript demonstrates a satisfactory level of originality and technical rigor. The methodology, based on satellite imagery and soil vulnerability mapping, is well-structured and adequately explained. The results, particularly the quantified decline of forest cover and the increase in vulnerable soils, are clearly presented and supported by tables and maps. The discussion appropriately relates findings to broader environmental challenges in Côte d'Ivoire. The paper contributes meaningfully to the literature on land use and environmental vulnerability. Minor improvements in language editing could enhance clarity, but the overall quality is acceptable.