

## REVIEWER'S REPORT

Manuscript No.: IJAR-54201

Date: 08-10-2025

**Title: L ethnométéorologie à l épreuve des changements climatiques au sahel : cas du cercle de Diéma au Mali.**

### Recommendation:

Accept as it is .....

**Accept after minor revision.....**

Accept after major revision .....

Do not accept (*Reasons below*) .....

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

Reviewer Name: Tahir Ahmad.

### Reviewer's Comment for Publication.

The manuscript provides a valuable contribution to the field of ethnometeorology and climate change adaptation in the Sahel. By focusing on the Diéma district in Mali, it explores how local climate knowledge (ethnometeorological knowledge) is being affected by changing climatic conditions, and it highlights both the resilience and limitations of these traditional practices.

### Strengths:

1. The study employs a robust mixed-methods approach, combining quantitative surveys and qualitative interviews, providing a comprehensive view of local perceptions and knowledge systems.
2. The manuscript thoroughly documents ethnometeorological indicators based on animals, plants, and astronomical signs, giving rich empirical data that can inform climate adaptation strategies.
3. The socio-economic relevance of these local knowledge systems is clearly outlined, showing how they guide agricultural, pastoral, and other livelihood activities.
4. The study identifies and discusses the impact of climate change on the reliability of traditional forecasting, addressing an important and under-researched issue.

### Weaknesses / Suggestions for Improvement:

1. Some tables (e.g., population responses, reliability of indicators) and figures could be more clearly formatted to improve readability.
2. Minor editing for clarity, grammar, and consistent use of French/English terminology would strengthen the manuscript.

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3. The discussion could briefly include implications for integrating ethnometeorological knowledge with modern meteorological systems.

### Overall Assessment:

The manuscript is technically sound, original, and significant for researchers and practitioners in climate adaptation, ethnometeorology, and Sahelian studies. It bridges traditional knowledge with contemporary challenges of climate change effectively.

### Suggested Action:

Accept after minor revisions.