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REVIEWER'S REPORT

Manuscript No.: IJAR-50408

Date: 25/2/2025

Title: Exploring the Diversity and Habitat Preferences of Anuran Species in Sohagibarwa Wildlife Sanctuary

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:Ahmed M. Saqr

Date: 25/2/2025

Reviewer's Comment for Publication.

(To be published with the manuscript in the journal)

The reviewer is requested to provide a brief comment (3-4 lines) highlighting the significance, strengths, or key insights of the manuscript. This comment will be Displayed in the journal publication alongside with the reviewers name.

The manuscript provides valuable baseline data on the diversity and habitat preferences of anuran species in the Sohagibarwa Wildlife Sanctuary, offering important insights into amphibian conservation in a lesser-studied region. The study's focus on multiple habitats and microhabitats adds depth to understanding species distribution and highlights the sanctuary's potential as a biodiversity hotspot.

Detailed Reviewer's Report

Thank you for the opportunity to review the manuscript titled "Exploring the Diversity and Habitat Preferences of Anuran Species in Sohagibarwa Wildlife Sanctuary". This study provides a valuable assessment of the diversity and habitat preferences of anuran species, contributing to a deeper understanding of the amphibian fauna in a region that has received limited

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research attention. While the study is well-conducted and offers important baseline data, several areas require further clarification and improvement. Therefore, I recommend a major revision of the manuscript.

Comments and Suggestions for Authors

- 1. Abstract: The abstract provides a good overview but lacks specific quantitative details about the study's findings. Could you include more numerical data on species diversity and habitat preferences?***
- 2. Introduction: The introduction provides general background information but does not clearly state the research gap. Could you explicitly highlight what is novel about your study compared to existing literature?***
- 3. Literature Review: The manuscript cites relevant studies, but the literature review could be expanded to include more recent research on anuran diversity and habitat preferences. Have you considered discussing recent studies that address similar ecosystems?***
- 4. Methodology: The methodology section describes the Visual Encounter Survey approach but lacks details on how sampling bias was minimized. Can you provide more information on how you ensured that the surveys were representative?***
- 5. Species Identification: The identification of species was conducted using various publications. Could you include more details on how potential misidentifications were handled?***
- 6. Statistical Analysis: The study reports diversity indices, but the statistical methods are not described in detail. Could you provide more information on how these indices were calculated and whether any statistical tests were performed to assess significance?***
- 7. Results Presentation: The results section provides a list of species observed, but it lacks a detailed analysis of the factors influencing species distribution. Could you discuss how specific habitat features were associated with the presence of different species?***
- 8. Figures and Tables: Some figures, such as the map of the study area, lack sufficient detail and clarity. Would you consider improving the quality and labeling of the figures to enhance their readability?***
- 9. Discussion: The discussion provides a descriptive analysis but lacks a critical comparison with previous studies. Could you include a more detailed comparison with similar studies conducted in other regions?***

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10. *Conclusion: The conclusion summarizes the findings but does not provide specific recommendations for conservation efforts. Could you include concrete suggestions for how the study's findings could inform conservation planning?*