

REVIEWER'S REPORT

Manuscript No.: IJAR-54504

Title: Comparison of the Floristic Composition of the PNB Biotopes, South of Cote d'A'Ivoire

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

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

Reviewer Name: Dr Thirunahari Ugandhar

Detailed Reviewer's Report

Review Comments on Table III and Related Section

1. Clarity and Presentation

The caption of Table III ("Comparison") is too brief. It should clearly indicate *what parameters or variables* are being compared (e.g., "Comparison of Endemic Species Distribution between Côte d'Ivoire (GCi) and Guineo-Congolian (GC) Regions in Different Biotopes").

Ensure all abbreviations such as *GCi*, *GC*, *Zm*, *Zr*, *Zp*, and *Zt* are defined in the table caption or footnote for clarity.

Consider aligning all numerical data and statistical values properly; currently, formatting appears inconsistent.

2. Statistical and Analytical Comments

The statistical analysis (ANOVA test) mentioned in the text should be supported by complete details in the table, including *F-values*, *P-values*, and *degrees of freedom* if possible.

While a significant difference is noted for the *GCi* group, it would strengthen the results to specify which forest types contribute most to this variation (e.g., riparian vs. swamp forests).

If post-hoc tests (like Tukey's) were used, include indicators (letters or symbols) in the table to show pairwise differences.

3. Scientific Interpretation

The finding that *GCi* endemics show significant differences across habitats is important for conservation planning; however, the ecological reasons (such as soil moisture, canopy cover, or human disturbance) could be discussed more explicitly.

It would be beneficial to highlight the implications of these differences for prioritizing wetland conservation zones within Banco National Park.

Clarify whether the comparison accounts for sample size differences among the biotopes (since riparian forests recorded more total species).

4. Formatting and Consistency

Table III should maintain the same format as Table I and II for uniformity (column titles, units, and statistical representation).

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Avoid repeating the same abbreviations without explanation across tables; a short "List of Abbreviations" at the end of the Results section would improve readability.

5. Language and Readability

Revise sentences for clarity, e.g., "A comparison of the endemic species in Côte d'Ivoire (GCi) and the Guineo-Congolian region (GC) within the different study areas highlights a significant difference for the GCi group" could be rewritten as:

"The analysis revealed a statistically significant variation in the distribution of Côte d'Ivoire endemics (GCi) across the four forest biotopes, whereas the Guineo-Congolian taxa (GC) showed no significant difference."