

Paper Title: **Relationship between Inter-Tropical Front and Rainy Season Onset in Guinea Republic**

The study addresses a critical issue for agriculture in Guinea, examining the onset of the rainy season in relation to the Inter-Tropical Front (ITF), but before publication, the paper needs revision based on the following comments.

1. The abstract could be clearer in articulating the study's aims, methodology, and findings. It would help if the abstract first outlined the research question, then described the methods briefly, followed by key findings and their significance.
2. The introduction briefly mentions the importance of rainfall for agriculture in West Africa but lacks a more detailed background on Guinea's climatic challenges and their agricultural impact.
3. While the introduction cites a few relevant studies, it could benefit from a clearer synthesis of past research. Expanding on how this study builds on or differs from prior studies on the ITF and rainfall in West Africa would strengthen the literature review.
4. Three criteria are compared, but the reasoning for selecting Djossou's criterion is not fully explained. Adding context on why this criterion best suits Guinea's specific climatic conditions would add clarity.
5. The data extrapolation method (for unavailable ITF data from November to March) should be explained in more detail. Justifying why this extrapolation is appropriate would enhance methodological rigor.
6. Fig. 1. Location of the station should be pointing location. Authors are suggested to mark the stations in the point form.
7. The discussion section highlights findings but could provide a more in-depth analysis of observed trends and variability in ITF movements and rainfall onset across different regions.
8. The conclusion effectively summarizes key findings but could better emphasize the practical applications of the research, such as implications for agricultural planning and water resource management.
9. The study would benefit from a brief discussion of potential limitations and areas for future research, such as exploring the influence of additional climatic factors on rainfall onset.

10. Authors are advised to ensure consistency in referencing style throughout the manuscript. Authors are also suggested to check the following references and may use them in the paper.

- Jee, O. P., Bihari, D. S., & Kumar, D. P. (2019). Temporal variability study in rainfall and temperature over Varanasi and adjoining areas. *Disaster Advances*, 12(1), 1-7.
- <https://doi.org/10.1007/s12517-021-08255-0>
- <https://doi.org/10.1016/B978-0-323-91910-4.00030-3>
- [https://doi.org/10.1007/978-981-19-7100-6\\_31](https://doi.org/10.1007/978-981-19-7100-6_31)
- [https://doi.org/10.1007/978-981-13-8181-2\\_18](https://doi.org/10.1007/978-981-13-8181-2_18)
- <https://doi.org/10.2166/aqua.2023.005>