

# Review of: "Precipitation and Temperature Trends over the Lake Tana Basin, Ethiopia"

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**Potential competing interests:** No potential competing interests to declare.

The article is a literature review study with focus on the assessment of climate change indicators i.e., precipitation and temperature and investigation of the methods used in such kinds of studies in areas of the Lake Tana basin, Ethiopia. It is a good attempt at gathering scientific information about a lake Tana basin, Ethiopia but it cannot be recommended for publication unless major revisions are carried out. Some details comments are as to further improve the quality of this review manuscript.

## **Some suggestions to improve the work further:**

1. The article title should indicate that it is literature review study.
2. Abstract has multiple grammatical mistakes, rendering some sentences incomprehensible, it needs to be re-written with better grammar and sentence structure.
3. All sections need to be checked for typos, correct sentence structure and correct spellings. For example; Comprehensive instead of "compressive" in methodology chapter, trends instead of "rends" in Figure 2, first line of section 4 is not comprehensible. Check the whole manuscript for such errors.
4. Station names have been used in the discussion section, which have not been mentioned in the study area or methodology section. A table with station names, climatic zones, altitudes, latitudes and longitudes can be added to study area to make the discussions more clear.
5. Please specify terms like "statistical methods" in Table 2. Also specify which results are statistically significant.
6. None of the tables and figures have been cited in text. Please cite and discuss all studies in detail with reference to the datasets used, results obtained and limitations of the study, where ever applicable.
7. Mention the names of climatic models used in each study in Table 3.
8. It would be better if results are explained in further detail, citing relevant literature to support the findings. Questions that need to be addressed are: What would be the impact of increased/decreased precipitation and temperature trends on crops and livelihood of the local communities? Which aspects of the local ecosystem would be affected most?