

# Review of: "Analysis of climatic parameters in the upper Awash River basin of Ethiopia"

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

1. The paper is interesting, but poorly written and disorganized.
2. Improve equation (2), define all the variables that appear in the equation, such as  $\ddot{x}$
3. Improve equations (9), (10), (11), (12);
4. Improve equation (3);
5. Equations (4) and (5) are identical, correct this error.
6. Rewrite carefully all the equations, define all the variables in all the equations.
7. Figure 2: define SSRF and SRF;
8. The text above Figure 2 quotes the slope as being equal to 1.974 mm/year but the graph for Linear SSRF reads 1.794: which one is correct?
9. Table 2 names Belg season rainfall and Main season rainfall for the pooled seasonal rainfall, but Figure 2 shows MainSRF and SSRF: is the Belg Season = SSRF? Please define all the variables appearing in Tables and Figures and use the same names and symbols for the same time series. This applies to all Figure and Tables showing trend results.
10. The p-values in Table 2 for the Belg season rainfall and the Main season rainfall are larger than 0.10: does this mean the trends are not statistically significant? Please improve the discussion on the p values and the results of statistical significance for all the times studied in the paper: rainfall, temperature, crop yields.
11. The anomaly figures 9, 10, 11, 12 should be presented as tables to improve the quality of presentation. If you want to show the trends of the anomalies as graphs use time series expressed as markers and not as columns, but simply presenting the equations for the regressions might be simpler and clearer than superimposing the trends on the column graphs as currently done.
12. In summary the paper has interesting material but it is poorly written, equations are not correctly presented, variables are not defined, Tables and Figures are in need of major improvement. I recommend declining the paper and encourage resubmission.