

Review of: "Thermal Stress and Dengue Fever: Exploring the Correlation between Elevated Temperatures and Heat Waves in Disease Dynamics"

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Potential competing interests: No potential competing interests to declare.

I am very grateful that you requested that I read your fantastic review article. I appreciate how you analysed the arguments for thermal stress VS dengue fever. I completely agree with your review, but a few ideas that could aid in reorganizing your review with a focus on country-specific data are worth considering.

Well, you know that the definition/criteria of a heatwave may vary for different countries. Hence, authors should focus on the particular country or countries and justify their arguments with country-specific data. If more countries are included, the overall estimate should be mentioned. Like for countries x, y, z, the increase in mean minimum temperature to 30, 31, 28, respectively, may lead to a shorter development time from egg to adult. (Just an example). But here the important point is how much the mean minimum temperature increases, which may be 3 Celsius from the normal minimum temp. or 5 Celsius for another country, and like that.

The second important point to be considered is to include relative humidity, which should also be explored as it plays an important role for coastal areas (mosquito vector).

Hope these points may add value to your manuscript.