

# Review of: "Effect of Climate Change on Pathogens Migration and Culture"

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

1-In this manuscript, the author addresses the impact of climate change on pathogen migration under the title 'Effect of Climate Change on Pathogens Migration and Culture'. It is not clear what the author means exactly by culture, whether it is related to the pathogens or to the population communities subjected to climate changes. So, the title should be rephrased to be clearer.

2-The abstract section is too short and needs to be expanded to be more informative about this opinion article. For example, the author states in the abstract about his opinion article, 'It highlights biochemical interactions and the dynamics of drivers over culture and time', so summarize what you mean by this in the abstract.

3-Regarding the comments on other parts of the text:

i-The manuscript did not address the magnitude of the problem of climate migration and its impact on changing the disease pattern, whether globally or regionally.

ii-There is no discussion of the impact of climate change on the migration of the vectors of transmission of different pathogens of the diseases, whether viral, bacterial, or parasitic.

iii-This opinion article asks many questions without giving answers or suggestions for solutions to implement adaptation or mitigation methods to address the problem, especially in the countries that are hard hit by climate change.

4-In conclusion, the manuscript states, 'It highlights biochemical interactions and the dynamics of drivers over culture and time'. This should be explained in detail in the text, supported by citations from recent literature. Several articles discussed the above-mentioned points in detail (McMichael, C. (2015). Climate change-related migration and infectious disease. *Virulence*, 6(6), 548–553, Hauser, N., Conlon, K. C., Desai, A., & Kobziar, L. N. (2021). Climate Change and Infections on the Move in North America. *Infection and Drug Resistance*, 14, 5711–5723.

<https://doi.org/10.2147/IDR.S305077>, Shafique, M., Khurshid, M., Muzammil, S. *et al.* Traversed dynamics of climate change and One Health. *Environ Sci Eur* **36**, 135 (2024). <https://doi.org/10.1186/s12302-024-00931-8>) which represent just an example.

