

# Review of: "The Changing Trajectory of Covid-19 and How Immunity is Evolving with It"

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

## Peer Review Report:

Article: "The Changing Trajectory of COVID-19 and How Immunity is Evolving with It"

## General Comments:

The article presents interesting findings; however, my primary concern is the academic writing style. The abstract should be rewritten, and if the journal does not require a structured abstract, it would be better to split it into background, aim, method, results, and conclusion. Keywords should also be reformulated to avoid duplication with the title while using Mesh-type keywords. The introduction needs to be reorganized, as there is a lot of redundancy. I recommend splitting it into three parts: what is known, unknown aspects, and the aim of the study. The content of the article is generally good, but I have concerns about a particular reference. The authors should highlight that the declaration of COVID-19 as no longer a global health emergency is a step forward toward it becoming endemic. Furthermore, I highly recommend that the authors read and cite articles that are in line with their study.

## Specific Comments:

1. Abstract: I suggest rewriting the abstract and, if possible, structuring it into separate sections such as background, aim, method, results, and conclusion. This would provide a clearer overview of the article's content.
2. Keywords: It would be beneficial to reformulate the keywords to avoid duplication with the title, especially when using Mesh-type keywords.
3. Introduction: The introduction needs to be reorganized and rephrased to reduce redundancy. I recommend dividing it into three parts: what is known, unknown aspects, and the aim of the study. This will provide a clearer structure and flow to the introduction.
4. Important Reference: The authors should highlight the significance of the declaration of COVID-19 as no longer a global health emergency, as it represents a step forward in the transition of COVID-19 into an endemic disease. This information should be emphasized in the article.
5. Additional References: I strongly recommend that the authors read and cite articles that are directly related to their study.

Two relevant articles are:

- Musa S, Dergaa I, Tayebi SM. "Emergence of SARS-CoV-2 B.1.1.7 and the future of mega sport events: is this the tipping point from pandemic to endemic?" *Annals of Applied Sport Science*. 2022 May 10:0-.
- Dergaa I, Abdelrahman H, Varma A, Yousfi N, Souissi A, Ghram A, Hammad AS, Musa ER, Taheri M, Irandoust K, Chtourou H. "COVID-19 vaccination, herd immunity and the transition toward normalcy: challenges with the upcoming sports events." *Annals of Applied Sport Science*. 2021 Oct 10;9(3):0-.

6. The authors may change the title of the article: here is 2 suggestions that i think that they may fit better your article:

“Navigating the Evolutionary Path of COVID-19: Host Immunity and the Journey to Endemicity”

or

"The Evolution of COVID-19 and Host Immunity: Implications for the Transition to Endemicity"

Overall, the content of the article is good, but it would benefit from the suggested revisions and the inclusion of additional relevant references.

Please consider these suggestions to improve the clarity and structure of the article.