

Review of: "Natural Polyphenols of Pomegranate and Black Tea Juices can Combat COVID-19 through their SARS-CoV-2 3C-like Protease-inhibitory Activity."

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Potential competing interests: No potential competing interests to declare.

Upon thorough examination of the article "Natural Polyphenols of Pomegranate and Black Tea Juices can Combat COVID-19 through their SARS-CoV-2 3C-like Protease-inhibitory Activity" by Saeed Reza Hormozi Jangi, I suggest several modifications to improve the manuscript's clarity and scientific rigor.

1. **Title:** The current title appears to assert a definitive conclusion about the impact of pomegranate and black tea on COVID-19. A suggestion could be to rephrase the title to indicate the conjectural nature of the paper's findings, such as "Exploring the Potential of Natural Polyphenols in Pomegranate and Black Tea in Inhibiting SARS-CoV-2 3C-like Protease as a Possible COVID-19 Treatment."
2. **Abstract:** The abstract needs to be more comprehensive. It should concisely include the aim of the study, approach, and potential significance of the investigation.
3. **Hypotheses:** The paper refers to previous research regarding certain polyphenols' inhibitory activity against SARS-CoV-2. However, it would be beneficial to establish a stronger rationale for extrapolating these results to COVID-19. The theoretical association between polyphenols and COVID-19 treatment needs to be elucidated more convincingly.
4. **Experimental Data:** Although the hypothesis is interesting, it lacks supporting empirical evidence. It would be ideal if the authors could undertake laboratory or computational studies to corroborate their hypothesis, providing more concrete conclusions.
5. **Terminology:** The term "polyphenolic contaminates" seems incorrect and is likely to cause confusion. If "polyphenolic compounds" or "polyphenolic constituents" is intended, the correction should be made.
6. **Literature Review:** The study's literature survey appears somewhat piecemeal. A more comprehensive review of relevant research on the role of the ACE2 enzyme in SARS and COVID-19, the polyphenols' mechanism of action against SARS-CoV-2, and the composition of pomegranate and black tea is advised.
7. **References:** Please ensure that the reference style is consistent throughout the manuscript.

Collectively, these observations highlight that while the article forwards an intriguing and potentially impactful hypothesis, it calls for considerable refinements before it can be deemed suitable for publication. Incorporating experimental data or elaborating on the mechanistic discourse would markedly boost the scholarly contribution of this paper.

Best regards,



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