

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

Dr.A.K. Sultan Mohideen

Potential competing interests: No potential competing interests to declare.

To

10/06/2023

Mr. Gabriele Marinello

Peer Review Team,

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Dear Sir,

The authors have done a review work on the topic entitled "Natural Polyphenols of Pomegranate and Black Tea Juices can Combat COVID-19 through their SARS-CoV-2 3C-like Protease-inhibitory Activity." to unravel the potential use of polyphenols in the treatment/control of SARS –CoV-2.

I have few comments to the authors which need to be addressed:

1. The abstract gives basic information of the natural polyphenols.
2. The authors have mentioned polyphenol contaminants.
3. The authors must define whether it is polyphenol contaminants or polyphenolic compounds.
4. They must address it correctly as there is a difference between polyphenolic contaminants (harmful) and polyphenolic compounds (beneficial) because the study/review is based on inhibitory effects.
5. In the introduction it will be better if the authors can explain about the mechanism of Polyphenolic compounds on SARS –CoV-2 with an illustration.
6. Line no.7 of introduction has many citations. The authors should have taken any latest report for the citation.
7. The authors should take note that they have used "via" on several occasions.
8. It is suggested that the authors discuss in detail about latest trends in molecular informatics such as Molecular Docking/Molecular Dynamics study supported by experimental findings.

Thank you,

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