



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Virology

**Manuscript NO:** 55890

**Title:** The geometric architecture of Viruses

**Reviewer's code:** 02445870

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Lecturer

**Reviewer's Country/Territory:** Mexico

**Author's Country/Territory:** Saudi Arabia

**Manuscript submission date:** 2020-04-07

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2020-05-11 15:44

**Reviewer performed review:** 2020-05-18 18:27

**Review time:** 7 Days and 2 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS



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The manuscript “The geometric architecture of Viruses “ by Khalid Parvez is original and interesting, however, I think that for the sake of usefulness some examples, or even a tentative list of relations between viral architecture and either viral antigenicity, infectivity or pathogenicity could be added to the text. For instance, these correlations for SARS-COV-2 (P16, p2,L1-5). Also, the use of colloquial expressions look odd in scientific texts.(e.g. “have become... corner” on P2,p1,L1-2).



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Virology

**Manuscript NO:** 55890

**Title:** The geometric architecture of Viruses

**Reviewer's code:** 00504864

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Senior Scientist

**Reviewer's Country/Territory:** United States

**Author's Country/Territory:** Saudi Arabia

**Manuscript submission date:** 2020-04-07

**Reviewer chosen by:** Xiao-Quan Yu

**Reviewer accepted review:** 2020-06-01 13:59

**Reviewer performed review:** 2020-06-09 21:29

**Review time:** 8 Days and 7 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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In this manuscript the authors describe the structure of virions, which is an important characteristic for understanding the mechanisms of capsid assembly, disassembly, antigenicity, cell-receptor interaction, and for the development of drugs and vaccines against viruses. The manuscript is well written and informative, therefore, it is acceptable for publication