

### Review Form 3

Journal Name:	<a href="#">Asian Journal of Research in Infectious Diseases</a>
Manuscript Number:	Ms_AJRID_129996
Title of the Manuscript:	Bioactive phytochemicals as potentially active pharmaceutical ingredient for Human Monkeypox outbreak.
Type of the Article	Review Article

#### PART 1: Comments

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	<ul style="list-style-type: none"><li>Studies with phytochemicals is missing in literatures.</li><li>Recently, efficacy of plant Phyllanthus acidus against MPV is evaluated as it is traditionally used in treatment of chickenpox &amp; smallpox.</li><li>Through functional annotation, PASS prediction &amp; Network pharmacology analysis, the effectiveness of choosen P. Acidus derived phytocompound against MPV was confirmed.</li><li>This compound showed good binding affinity with selected viral proteins: DNA polymerase (DNA pol), Putative virulence factor &amp; cytokine binding protein.</li></ul>	Suggestions have been incorporated. Kindly check line numbers 351 to 355 of page number 11.
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	Yes	-
<b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b>	<ul style="list-style-type: none"><li><b>Please add these points:</b></li><li>Medicinal plants &amp; natural products are used for long to treat smallpox &amp; chickenpox. They may also have antimoneypox viral property.</li><li>Studies showed that around 56 plant compounds were evaluated for antimoneypox capability with top four candidates having higher binding affinity.</li><li>Molecular docking results revealed highest binding affinity of N-(2-Allylcarbamoyl-4-chloro-phenyl)-3,4-dimethoxy-benzamide for monkeypoxvirus.</li></ul>	Suggestions have been incorporated. Kindly check line numbers 09,10,11,16,17,18, & 19 of page number 1.
<b>Is the manuscript scientifically, correct? Please write here.</b>	<ul style="list-style-type: none"><li>The re-emergence of monkeypox in an under vaccinated population is a global health emergency that requires instant action from scientific community.</li><li>No known drugs are available till date specifically for MPV.</li><li>Due to its similarity with smallpox, treatment of monkeypox is being attempted through administration of smallpox vaccine.</li><li>Authors showed that various naturally occurring plant based metabolites can be used to design novel drugs against MPXV.</li><li>This article briefed about various bioactive phytochemicals &amp; some drugs that targets monkeypox virus.</li></ul>	Suggestions have been incorporated. Kindly check line numbers 41 to 47 of page number 2.
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	Please go through reference no 9, 25, 30, 32, 61, 73, 77, 97, 104, 105, 106. In ref no 104, 105 & 106 please add the link.	Possible changes have been made.

Review Form 3

Is the language/English quality of the article suitable for scholarly communications?	Yes	-
Optional/General comments		

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	NA