

Review Form 3

Journal Name:	Asian Journal of Research in Infectious Diseases
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>
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.	<ul style="list-style-type: none"> • Studies with phytochemicals is missing in literatures. • Recently, efficacy of plant Phyllanthus acidus against MPV is evaluated as it is traditionally used in treatment of chickenpox & smallpox. • Through functional annotation, PASS prediction & Network pharmacology analysis, the effectiveness of chosen P. Acidus derived phytocompound against MPV was confirmed. • This compound showed good binding affinity with selected viral proteins: DNA polymerase (DNA pol), Putative virulence factor & cytokine binding protein. 	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes	
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.	<ul style="list-style-type: none"> • Please add these points: • Medicinal plants & natural products are used for long to treat smallpox & chickenpox. They may also have antimoneypox viral property. • Studies showed that around 56 plant compounds were evaluated for antimoneypox capability with top four candidates having higher binding affinity. • Molecular docking results revealed highest binding affinity of N-(2-Allylcarbamoyl-4-chloro-phenyl)-3,4-dimethoxy-benzamide for monkeypoxvirus. 	
Is the manuscript scientifically, correct? Please write here.	<ul style="list-style-type: none"> • The re-emergence of monkeypox in an under vaccinated population is a global health emergency that requires instant action from scientific community. • No known drugs are available till date specifically for MPV. • Due to its similarity with smallpox, treatment of monkeypox is being attempted through administration of smallpox vaccine. • Authors showed that various naturally occurring plant based metabolites can be used to design novel drugs against MPXV. • This article briefed about various bioactive phytochemicals & some drugs that targets monkeypox virus. 	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	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.	
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments		

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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