



SDI Review Form 1.6

Journal Name:	<u>Journal of Advances in Medical and Pharmaceutical Sciences</u>
Manuscript Number:	Ms_JAMPS_24114
Title of the Manuscript:	Antihyperglycemic effect of an important phytochemical - Phloretin on Streptozotocin induced diabetic rats
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



SDI Review Form 1.6

isPART 1: Review Comments

	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)
Compulsory REVISION comments	1. Linkage of phlorein to diabetic disorders is too waek. 2. How do you have the effective dose (25 mg/kg) of phloreitin? 3. What type of diabetes for animals used in this study? Additionally, rationale to use glibencalmide as positive is unclear. 4. Feeding behavior was not determined. Why?	1) Phloreitin is a flavanoid compound. So, we mentioned many reference for flavonoid possess antidiabetic activity (example: reference [54] and [57]). 2) Based on the literature survey, the effective dose was fixed as 25mg/kg and 50mg/kg b.w. 3) Thank you. In this study we used animals with type 1 diabetes mellitus. As per previous reports, we selected the glibenclamide as a reference compound for this study and also included more points about this standard in the appropriate place of text. 4) Thank you. We thought that the feeding behaviours are not essential for this study. But, we observed excess food and water intake by diabetic rats during the experimental period and now we mentioned this point in the appropriate place of the text.



SDI Review Form 1.6

	5. Time for treatment of phloretin is unknown. 6. It is hard to conclude that this compound is without any side effects. 7. Discussion needs to improve.	5) Thank you. Now we mentioned the time of drug treatment in the appropriate place of text. 6) Thank you very much. Now we removed the words like <u>without any side effects</u> from the conclusion section. 7) Now we included more relevant points in the discussion section for improvement of this manuscript.
<u>Minor</u> REVISION comments	Language shall be checked.	Thank you, Language of the manuscript was checked by an English Professor and we made a few corrections in the text.
<u>Optional/General</u> comments	The present study is going to show the effectiveness of phloretin in the treatment of diabetic disorders. It needs to revise carefully.	As per your comment, we revised the manuscript carefully regarding the effectiveness of phloretin in the treatment of diabetic disorders.