

Review Form 3

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_127084
Title of the Manuscript:	Computational Screening of HPLC-Identified Phytochemicals from Corn Silk (Stigma Maydis) as Protein tyrosine phosphatase 1B (PTP1B) Inhibitors for the Management of Type 2 Diabetes.
Type of the Article	Original Research Article

Review Form 3

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	diabetes is emerging as a major concern across the world and phytoremediation has always been welcomed to treat insulin resistance. Therefore I find this manuscript impressive and beneficial for the research in this field. Moreover in silico studies are always the first step prior to drug design and clinical trial. I appreciate the efforts of the authors as they have conducted this study.	
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.	In the abstract, introduction, aim etc are not required. I suggest the authors to make the abstract more concise, less descriptive . Eg: no need to mention detailed name of the phytochemicals as they are in the manuscript. Just mention the KEY chemicals, if any.	
Are subsections and structure of the manuscript appropriate?	YES	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	Manuscript does look good enough to be published as the author/s have carried out several in silico studies to substantiate the data. Though I am personally more inclined towards wetlab experiments and will look forward to the in vitro and in vivo interactions of the molecules and PTP 1B in future from the author/s. There are very few queries regarding the experiment set up and I am going to mention them in the revision section. But overall, I appreciate the efforts and knowledge of the author/s.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	YES	
<u>Minor</u> REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	YES. In few cases, there are few grammatical errors such as is-are, this-these etc. Corrections needed.	
<u>Optional/General</u> comments	As I found no specific area for putting my queries/suggestions after revision, I want to mention few things. <ol style="list-style-type: none"> In this manuscript, the author/s claimed that they identified phytochemicals using HPLC, but I could not find any reference material/standards against those compounds. How did they identify the peaks for the compounds they mentioned? Did they perform any mass spec analysis? Justification is needed. The author/s used Glyburide to compare the binding efficacy for PTP B1. But as far my knowledge goes, Glyburide is not a PTP B1 antagonist, Metformin is. Justification is needed. Please mention the manufacturer names of reagents, eg., HPLC grade methanol. 	

Review Form 3

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:

Name:	Anwesh Roy
Department, University & Country	KPC Medical College & Hospital, India