SDI Review Form 1.6

Journal Name:	Journal of Pharmaceutical Research International
Manuscript Number:	**Ms_JPRI_62804**
Title of the Manuscript:	**Comparative study on antidiabetic effect of ethanolic extract of jute leaf on neonatal streptozotocin- induced Type-2 diabetic model rat**
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/journal/10/editorial-policy)

PART 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	**The authors investigated the antidiabetic properties of *Corchoruscapsularis* and *Corchorusolitorius*varieties of jute leaf (ethanolic extract) on nSTZ-induced type-2 diabetic rats.** **1-The author should clarify what is meaning by neonatal STZ** **2- I order to sharply declare the antidiabetic effect of both extract you have to fractionate all the contents of extraction and to refer to each compound and its role as antidiabetic effect** **3- Serum Insulin should be measured to elucidate the mechanism of antidiabetic effect** **4- In the introduction, the authors are not adequately described the rationale of the work. As there was no explanation of why and how the authors came up with the idea**	1.Neonatal STZ means when Beta cell toxic agent Streptozotocin (STZ) is being injected to newborn (48hrs old) pups. This insult by STZ at the neonatal period has the impact of developing type 2 diabetes in adulthood. Since 12-14 weeks of age is considered as adulthood, therefore, OGTT was done after 12 weeks of age to confirm whether the rat under study has developed T2DM. Appropriate references have been cited in the manuscript. **2 & 3**. This work is the part of 4 year PhD thesis. The works is being continued accordingly and hope we will be able to elucidate the antidiabetic mechanism by specific fraction or compound from both extracts. Samples for serum insulin estimation have been preserved for future analysis. **4**.After a review by Islam MM.,2013 from Bangladesh Jute Research Institute, many research hypothesis relating to the development of jute product (medicinal & food) had arisen to many jute researcher in Bangladesh[18] including the authors of the present manuscript. This has been incorporated in the introduction section
Minor REVISION comments		
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)*	