

**Review Form 3**

Journal Name:	<b>Journal of Pharmaceutical Research International</b>
Manuscript Number:	<b>Ms_JPRI_122009</b>
Title of the Manuscript:	<b>METFORMIN AND CAFFEINE'S INFLUENCE ON LIPID PROFILE INDICES OF STREPTOZOTOCIN-INDUCED DYSLIPIDEMIA</b>
Type of the Article	

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> (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.	Importance of this study is to see the effects of Metformin and Caffeine on lipid profile in diabetic rats.	
Is the title of the article suitable? (If not please suggest an alternative title)	Title may be changed to include animal study e.g.- "METFORMIN AND CAFFEINE'S INFLUENCE ON LIPID PROFILE INDICES OF STREPTOZOTOCIN-INDUCED DYSLIPIDEMIA IN AN ANIMAL MODEL"	
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 Abstract few lines may be added for introducing the problem of dyslipidemia in diabetic patients. -The author did not specify the time period for each drug which has been given to the rats -In the last section of abstract (from 18 <sup>th</sup> line) ,Authors made the inference that Metformin plus Caffeine may be utilized to control dyslipidemia ,but in experimental protocol he did not included the Group of rats given Metformin + Caffeine simultaneously for better conclusion.	
Are subsections and structure of the manuscript appropriate?	In Materials & Method section – in Ethical approval sub-section – <ul style="list-style-type: none"> <li>- The reference number of the approval of the study with date by the concerned authority must be given</li> <li>- The language of the sentences not appropriate e.g.- "Rats handling and treatments conform to the National Institute of Health guidelines for laboratory animal care and use" ?</li> <li>- The Authors did not included the Group of rats in which Metformin + Caffeine drugs given simultaneously.-Author to clarify</li> <li>- Why did Authors not done the dose response study for Metformin like they have done for Caffeine? .</li> <li>- The Authors did not specifically mentioned the time period of giving each drug in their study protocol</li> <li>- The Flow chart of the study may be added in the present manuscript for better understanding the experimental protocol.</li> <li>- Why in experimental protocol the value of Lipid profile not taken?</li> </ul>	
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.	Scientific correctness: -In present study Authors have made the rat model for developing Diabetes mellitus by only using the Streptozotocin in high dose (60 mg/kg) , but the ideal model to see the effects of diabetes on lipid profile should be Diabetes type II model (which Authors did not specified in their manuscript) and for which Streptozotocin + High fat diet model is usually taken ( ref: Streptozotocin as a tool for induction of rat models of diabetes : A practical guide by A. Ghasim et al EXCLIJ,2023; 22: 274-294) - Authors should clarify. –Authors to clarify -Why in Experimental protocol/ Results the Authors did not considered/taken the values of Lipid profile on 0, 7, 14 and 21 days as of blood glucose levels ?	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	References are appropriate	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	English quality need improvement for clarification.	
Optional/General comments		

### **PART 2:**

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

### **Reviewer Details:**

Name:	Rajendra Nath
Department, University & Country	King George's Medical University, India

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