

**Review Form 1.7**

Journal Name:	<b>Asian Journal of Research in Biochemistry</b>
Manuscript Number:	<b>Ms_AJRB_112483</b>
Title of the Manuscript:	<b>Bambara Groundnut (<i>Vigna subterranea</i>) Condiment Extract Reversed Diarrhoeal Condition in Male Wistar Rats</b>
Type of the Article	<b>Original Research Article</b>

**Review Form 1.7**

**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)
<p><b>Compulsory REVISION comments</b></p> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p><b>Yes, manuscripts are crucial for the scientific community</b></p> <p><b>Yes, No changes in Title</b></p> <p><b>Based on the information provided, the abstract of the article appears to be relatively comprehensive. It covers the aims, study design, place and duration of the study, methodology, and results. Here's a breakdown:</b></p> <p><b>Aims:</b> The goal of the investigation is to verify the anti-diarrhoeal properties of bambara groundnut seed condiment.</p> <p><b>Study Design:</b> The study involved thirty male Wistar rats divided into five groups. Each group received different dosages of the methanol extract of bambara groundnut condiment (BGNCE). Group 1 served as a control and received loperamide, a standard medication for treating diarrhea, while group 5 received distilled water. The rats were subjected to castor oil to induce diarrhea, and various parameters were evaluated over a four-hour period.</p> <p><b>Place and Duration of Study:</b> The study was conducted at the Department of Veterinary Biochemistry and Physiology, Faculty of Veterinary Medicine, University of Ibadan, and the Department of Biochemistry, College of Biosciences, Federal University of Agriculture, Abeokuta, between July 2017 and November 2017.</p> <p><b>Methodology:</b> The methodology involved administering castor oil to induce diarrhea, evaluating various diarrhea parameters over four hours, and analyzing serum concentrations of albumin, creatinine, blood urea nitrogen (BUN), and electrolytes (K+, Na+, Cl-) using standard methods.</p> <p><b>Results:</b> The rats in group 1 (loperamide) showed the highest level of inhibition of diarrhea (100%), while rats in group 5 (distilled water) had the least inhibition (21.85%). The treatment with bambara groundnut condiment extract improved kidney and liver functions in rats, as indicated by changes in blood urea nitrogen, creatinine, albumin, and electrolyte concentrations.</p> <p><b>Conclusion:</b> The study concludes that bambara groundnut seeds have anti-diarrhoeal potential, and untreated acute diarrhea can impair liver and kidney functions in rats.</p> <p><b>Overall, the abstract provides a clear overview of the research objectives, methods, and key findings of the study.</b></p> <p><b>Yes</b></p> <p><b>Yes</b></p> <p><b>Add at list 2-3 latest references Separate the results and discussion sections for better organization. Discuss any unexpected results or limitations of the study.</b></p>	

## Review Form 1.7

<b>Minor</b> REVISION comments		
1. Is language/English quality of the article suitable for scholarly communications?	Not perfect. average	
<b>Optional/General</b> comments	No	

### **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:	<b>Lalchand D. Devhare</b>
Department, University & Country	<b>Oriental College of Pharmacy and Research, Oriental University, India</b>