



SDI Review Form 1.6

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_47027
Title of the Manuscript:	Changes in sperm morphology and characteristics of experimentally-induced hypertensive Wistar rats treated with Lagenaria breviflora Roberty or Xanthosoma sagittifolium Exell
Type of the Article	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:

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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	<p>This paper is carefully executed and clearly presented. The paper represents the study on Changes in sperm morphology and characteristics of experimentally-induced hypertensive Wistar rats treated with Lagenaria breviflora Roberty or Xanthosoma sagittifolium Exell. It was showed that 1 primary and 7 secondary sperm abnormality types were observed with increase in total abnormal sperm cells. Sperm motility and count were significantly reduced. This work is important because it shows that treatment of the medical condition with the extracts of L. breviflora or X. sagittifolium did not reverse the infertility.</p>	<p>Comment 1:GraphPad Prism 5.0 was the statistical software used for the analysis with One-way ANOVA and Duncan post-hoc test performed using this software</p> <p>Comment 2: The extraction method was as described by Oridupa and Saba (2012). (Reference already cited in the manuscript).</p> <p>Methanol was the solvent used for the plant sample extraction. The filtrate which contained methanol was concentrated using a rotary evaporator. All the methanol in the extract was finally removed by placing the extract over water bath.The extract was not administered with methanol in it. The extract was dissolved with distilled water which was administered to the control animals.</p> <p>Addition to manuscript:</p> <p>2.1 Plant material and preparation of extracts Please change the last sentence to:</p> <p>The extract was then filtered and concentrated using a rotary evaporator (BUCHI R-210, Switzerland). The remaining methanol was removed by placing small volumes on a crucible and evaporated over water bath set at 30°C.</p> <p>Comment 3:Methanol (96% Purity),11-Deoxycorticosterone (DOC) Salt (98% Purity), Sodium chloride (99.5% Purity), Nigrosin and Eosin stains were purchased from Sigma Aldrich (Germany).</p> <p>Addition to manuscript: Reference for the protocol, details of the protocol and name of manufacturer of reagents and drugs used were included in the materials and methods section</p>
Minor REVISION comments	<p>In the section of the statistical analysis, the authors must specify the name of the software. In the section 2.1, authors should describe the extract protocol in more detail and provide a reference for the extract preparation protocol.</p>	
Optional/General comments	<p>Methods section should give readers enough information about reagents (e.g. company names, catalog numbers) and specify age of rats.</p>	

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?	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	