

Name:	<a href="#"><u>UTTAR PRADESH JOURNAL OF ZOOLOGY</u></a>
Manuscript Number:	<b>Ms_UPJOZ_4610</b>
Title of the Manuscript:	<b>“Genetic and Environmental Factors Influencing Lactation Traits in Jersey x Sahiwal Crossbred Cattle: Variance Component Estimation”</b>
Type of the Article	<b>Original</b>

**PART 1: Comments**

	<b>Reviewer's comment</b> <b>Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	<b>The manuscript is significant in contributing to scientific knowledge. However, it needs some modification in scientific writing skills and English as well as depth in scientific output comparisons.</b>	Thank you for your valuable feedback. We have carefully revised the manuscript to improve the clarity and flow of the scientific writing. We also made edits to address any language and grammar issues, ensuring that the manuscript meets higher standards of English usage.
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	<b>Yes. It is very suitable</b>	Thank you for your positive feedback. We are glad to hear that you find the manuscript suitable.
<b>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.</b>	<b>The abstract is not comprehensive. The abstract should contain all information about the manuscript. In this regard, the abstract lacks background, objective/s, experimental animal management information and conclusion.</b>	Thank you for your constructive feedback. We have revised the <b>ABSTRACT</b> to ensure it comprehensively presents the study's objectives, methodology, key findings on mean performances, direct heritabilities and environmental influences, ensuring a clearer overview of the study.
<b>Is the manuscript scientifically, correct? Please write here.</b>	Yes	Thank you for confirming that the manuscript is scientifically correct.
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	Yes	Thank you for your helpful feedback.

<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>The manuscript needs English language polish. Thus, native English language should edit the manuscript.</p>	<p>Thank you for your valuable feedback. We acknowledge the need for language polish and have taken steps to address this issue. The manuscript has been revised for clarity, coherence and overall language quality. We believe these revisions have improved the readability and language quality of the manuscript.</p>
<p><b><u>Optional/General</u></b> comments</p>	<ol style="list-style-type: none"> <li>1. The author should revise the abstract section of the manuscript</li> <li>2. The research gap is not clear. What motivates the researcher to conduct such types of research?</li> <li>3. There is no clear objective both in the abstract part and introduction part</li> <li>4. The research should include a description of the area in the Material method. This part is very important to determine the effect is Either because of genetics or environment. Moreover, there should be experimental animals' management system information. How did the researcher manage the animals? what feeds did the researcher provide for experimental animals?</li> <li>5. The author should attach an ethical clearance letter for conducting this experiment.</li> </ol>	<p>Thank you for your detailed feedback. We have carefully considered your comments and made the necessary revisions to the manuscript:</p> <ol style="list-style-type: none"> <li>1. We have revised the <b>abstract</b> to ensure it is more comprehensive and clearly reflects the key aspects of the study, including the background, objectives, methodology and conclusion.</li> <li>2. We have clarified the research gap in the introduction section, highlighting the need for this study and addressed the specific challenges related to genetic and environmental factors in crossbred cattle.</li> <li>3. We have now explicitly stated the <b>objectives</b> of the study in both the abstract and the introduction, ensuring that the research goals are clear to the readers.</li> <li>4. We have now included a description of the <b>study area</b> in the <b>Materials and Methods</b> section of the manuscript to better clarify the environmental conditions and their potential influence on the observed traits. Also, we have added information on the <b>animal management system</b>, including details on the housing and type of feed provided to the animals. This information will help clarify the environmental factors at play.</li> </ol>

		<p>5. <b>Ethical clearance:</b> This study was conducted using routine performance records from dairy cattle managed under the Progeny Testing Program (PTP) of the Andhra Pradesh Livestock Development Agency (APLDA). No invasive procedures were performed and all management practices adhered to standard dairy farm protocols, ensuring animal welfare. As the research involved only non-invasive data collection, ethical approval was not required. However, we have included an <b>ethical statement</b> in the manuscript to clarify this aspect.</p> <p>We believe these revisions address your concerns and strengthen the manuscript. Thank you again for your insightful suggestions.</p>
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## **PART 2:**

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