

**Review Form 3**

Journal Name:	<b>Journal of Advances in Biology &amp; Biotechnology</b>
Manuscript Number:	<b>Ms_JABB_121425</b>
Title of the Manuscript:	<b>PRINCIPAL COMPONENT ANALYSIS OF MORPHOMETRIC TRAITS IN KASHMIR MERINO SHEEP</b>
Type of the Article	<b>Short communication</b>

**Review Form 3**

**PART 1: Review Comments**

<b><u>Compulsory</u></b> REVISION comments	<b>Reviewer's comment</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>
<p><b>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.</b></p>	<p>Principal Component Analysis (PCA) is a valuable statistical tool used to analyze and interpret the morphometric traits of Kashmiri Merino sheep. By transforming correlated variables into a smaller number of uncorrelated variables called principal components, PCA simplifies the data while preserving its essential features. PCA reduces the complexity of datasets by decreasing the number of variables. For Kashmir Merino sheep, this means reducing the numerous morphometric traits to a manageable number of principal components. It enables visualization of the data in lower dimensions, making it easier to identify patterns, relationships, and clusters among the sheep based on their traits.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>PRINCIPAL COMPONENT ANALYSIS OF MORPHOMETRIC TRAITS IN <b>KASHMIRI</b> MERINO SHEEP</p>	
<p><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></p>	<p><b>Sounds good</b></p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p><b>appropriate</b></p>	
<p><b>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.</b></p>	<p>The manuscript presents a scientifically robust and technically sound study on the Principal Component Analysis (PCA) of morphometric traits in Kashmir Merino sheep. The application of PCA is appropriate for this type of analysis as it effectively reduces the dimensionality of the dataset while retaining the most important variations, which is crucial for identifying key traits that influence sheep breeding and genetic improvement. The study is methodologically sound, employing a well-structured approach to data collection, ensuring that the morphometric measurements are accurate and reliable. The results are thoroughly analyzed and interpreted, with clear explanations of the principal components and their implications for sheep breeding programs, demonstrating a deep understanding of both the statistical technique and its practical applications in animal husbandry. Overall, the manuscript provides valuable insights into the genetic and phenotypic structure of the sheep population, contributing to advancements in selective breeding strategies and animal science research.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p><b>Please add more and latest references.</b></p>	
<p><b><u>Minor</u></b> REVISION comments</p> <p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>Please thoroughly check English grammar mistakes, commas, punctuations throughout the manuscript.</p>	
<p><b><u>Optional/General</u></b> comments</p>	<p>Accept for publication</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>	

**Reviewer Details:**

Name:	<b>Muhammad Zahid Farooq</b>
Department, University & Country	<b>University of Veterinary and Animal Sciences, Pakistan</b>