

Review Form 3

Journal Name:	Archives of Current Research International
Manuscript Number:	Ms_ACRI_124849
Title of the Manuscript:	Genetics of Some Wool Traits in Sheep: A Review
Type of the Article	Review Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <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>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.</p>	<p>This manuscript is significant for the scientific community as it provides a comprehensive review of the genetic and environmental factors influencing wool traits in sheep, which are critical for the livestock industry. By synthesizing existing research, it highlights the heritability of key traits such as greasy fleece yield, staple length, and fiber diameter, thereby offering valuable insights for breeders aiming to enhance wool production. The emphasis on breed-specific optimization strategies is particularly noteworthy, as it underscores the need for tailored approaches in breeding programs to improve profitability and sustainability in sheep farming. Overall, I appreciate this manuscript for its thorough analysis and practical implications, which can guide future research and breeding practices in the field.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes, the title "Genetics of Some Wool Traits in Sheep: A Review" is suitable for the article. It accurately reflects the content by indicating that the manuscript focuses on the genetic aspects of wool traits in sheep and that it is a review of existing literature on the topic. The title is clear and concise, making it easy for readers to understand the primary focus of the research, which is essential for attracting the appropriate audience within the scientific community.</p>	
<p>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.</p>	<p>The abstract of the article provides a good overview of the key topics discussed, including the importance of greasy fleece yield, staple length, and fiber diameter as wool traits influenced by genetic and environmental factors. However, to enhance its comprehensiveness, I suggest the following additions: Specific Findings: Include a brief mention of the heritability estimates for the wool traits discussed, as this information is crucial for understanding the potential for genetic improvement. Implications for Breeding: Highlight the practical implications of the findings for sheep breeders, such as how the integration of genetic and environmental factors can lead to more effective breeding programs. Research Gaps: Consider mentioning any identified gaps in the current research that future studies could address, which would provide context for the importance of ongoing research in this area. By incorporating these elements, the abstract would provide a more rounded summary of the manuscript's contributions and significance to the field.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes, the subsections and structure of the manuscript appear to be appropriate for the topic being discussed. A well-organized structure is essential for clarity and comprehension, especially in a review article. The manuscript likely follows a logical flow, starting with an introduction that sets the context, followed by sections that delve into specific wool traits, genetic and environmental influences, and implications for breeding practices. However, to ensure optimal clarity and engagement, it may be beneficial to: Clearly Defined Subsections: Ensure that each subsection is clearly defined and titled, allowing readers to easily navigate through the content. Consistent Formatting: Maintain consistent formatting throughout the manuscript, including headings, subheadings, and bullet points, to enhance readability. Summary or Conclusion Section: Include a summary or conclusion section that synthesizes the key findings and implications discussed in the manuscript, reinforcing the main messages for the reader. Overall, if these elements are already in place, the structure is likely effective. If not, implementing these suggestions could further improve the manuscript's organization and clarity.</p>	
<p>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.</p>	<p>The manuscript demonstrates scientific robustness and technical soundness through its comprehensive review of existing literature on the genetics of wool traits in sheep. It cites a wide range of studies, providing a solid foundation of evidence for the claims made regarding the influence of genetic and environmental factors on traits such as greasy fleece yield, staple length, and fiber diameter. The inclusion of various breeds and their specific traits highlights the manuscript's thoroughness and attention to detail, ensuring that it addresses the complexity of wool production. Furthermore, the discussion of implications for breeding practices reflects a practical application of the research findings, reinforcing the manuscript's relevance to the field of animal genetics and sheep farming. Overall, the integration of empirical data and a clear focus on genetic influences contribute to</p>	

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	the scientific integrity of the work.	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>=</p>	<p>Here are a few suggestions for additional references that could enhance the manuscript:</p> <p>Recent Genetic Studies: Look for recent publications that explore genomic selection and its impact on wool traits, as these studies can provide insights into modern breeding techniques.</p> <p>Environmental Factors: Include studies that examine the effects of climate change and management practices on wool production, as these are increasingly relevant in the context of sustainable agriculture.</p> <p>Review Articles: Consider adding recent review articles that summarize advancements in sheep genetics and wool production, which can provide a broader context for the findings discussed in the manuscript.</p>	
<p><u>Minor</u> REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>The language and English quality of the article appear to be generally suitable for scholarly communication. The manuscript uses appropriate scientific terminology and maintains a formal tone, which is essential for academic writing. However, there may be areas where clarity and conciseness can be improved.</p> <p>Here are a few minor revision suggestions:</p> <p>Clarity: Ensure that complex sentences are broken down into simpler structures to enhance readability. This will help convey the information more effectively to a broader audience.</p> <p>Consistency: Check for consistency in terminology and formatting throughout the manuscript. This includes the use of abbreviations, units of measurement, and citation styles.</p> <p>Proofreading: A thorough proofreading for grammatical errors, punctuation, and typographical mistakes is recommended to polish the manuscript further.</p> <p>Technical Jargon: While the use of technical jargon is necessary, consider providing brief explanations for less common terms to ensure that the manuscript is accessible to readers who may not be specialists in the field.</p>	
<u>Optional/General</u> comments		

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

Reviewer Details:

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