

Review Form 3

Journal Name:	International Journal of Biochemistry Research & Review
Manuscript Number:	Ms_IJBCRR_129539
Title of the Manuscript:	Use of antibiotics in dairy cattle farms in Vina, Department of the Adamawa region in Cameroon
Type of the Article	Original Research Article

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PART 1: 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>
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.		
Is the title of the article suitable? (If not please suggest an alternative title)		
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.		
Is the manuscript scientifically, correct? Please write here.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

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<p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>Your submitted paper entitled: Use of antibiotics in dairy cattle farms in Vina, Department of the Adamawa region in Cameroon is a well-structured manuscript. I am confident that this study provides valuable insights into the use of antibiotics in dairy cattle farms in the Vina region of the Adamawa region in Cameroon. The findings contribute to the understanding of current practices and their potential implications for antimicrobial resistance in the region.</p> <p>During reviewing I found some MINOR comments listed below:</p> <p>Title:</p> <p>The title is clear, but I would suggest adding a phrase that highlights the paper's key focus, such as '...and its implications for antimicrobial resistance'</p> <p>Abstract:</p> <ul style="list-style-type: none"> - Study Design - The abstract does not specify the methodological framework of the research, which makes it difficult to evaluate its scientific validity. <p>Suggestion for improvement: Clearly define the study design, e.g.: "Cross-sectional survey", "Retrospective observational study"....</p> <ul style="list-style-type: none"> - Without information on the time frame of the study, it is difficult to assess the relevance of the results and potential seasonal variations in antibiotic use. <p>Suggestion for improvement: Add the exact time frame of the study, eg: "The study was conducted from January to December 2024."</p> <ul style="list-style-type: none"> - The methodology does not explain whether the questionnaire was validated or pilot-tested, nor how the farmers were selected (random sample, purposive sample, etc.). <p>Suggestion for improvement: Clearly describe: "The questionnaire was pre-tested on a pilot sample of 5 farmers to ensure clarity and reliability." "Farmers were selected using a stratified random sampling method."</p> <ul style="list-style-type: none"> - The results are descriptive but do not clearly relate to the broader context of the antimicrobial resistance problem. Suggestion for improvement: Relate the findings to existing literature and outline practical implications. For example: <p>"The dominance of tetracycline use may be related to its cost-effectiveness and availability, but its overuse poses a significant risk for the development of resistant bacterial strains.</p> <p>The conclusion does not emphasize the significance of the findings nor does it offer specific recommendations for improving the practice of antibiotic use on farms.</p> <p>Suggestion for improvement: The conclusion should summarize the key findings and provide clear guidance, eg:</p> <p>"Results highlight the urgent need for educational interventions targeting farmers to improve antibiotic usage practices and prevent antimicrobial resistance."</p> <p>Introduction</p> <ul style="list-style-type: none"> - While the introduction is thematically solid, it could be better structured. Currently, the transition between global problem and local research is not smooth. <p>Suggestion for improvement: Consider reorganizing the introduction. For example: Start with the global importance of antimicrobial resistance. Go to the specifics of using antibiotics in animal husbandry. End the introduction with a description of the situation in the research region and the aim of the study</p>	

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	<p>(global problem → specificities in animal husbandry → local context → goal)</p> <ul style="list-style-type: none"> - Authors are encouraged to include data sources from the past 3–5 years to ensure that the introduction includes the latest trends, WHO recommendations, and data on antimicrobial resistance. For example, WHO and FAO regularly publish reports that may be relevant. - There is no specific information in the introduction about the situation in Cameroon, Adamawa, or the wider region. A global context is given, but local data would add significance to the research. <p>Suggestion for improvement: Add information on the prevalence of antimicrobial resistance or antibiotic use in Cameroon or similar settings, if available.</p> <ul style="list-style-type: none"> - State the aim of the study more clearly in the context of the introduction. For example, add a sentence like: "The aim of this research was to identify key practices that contribute to the development of resistance, with a particular focus on dairy farms in Adamawa." - The last sentence of the introduction ("This is why a survey...") is good, but it could be more precise and direct. <p>Suggestion for improvement: Reword the sentence to focus more on the importance of the research. For example: "Therefore, a survey was conducted among dairy farmers in Adamawa to identify practices that encourage the development of resistant bacteria and assess their contribution to the problem of antimicrobial resistance."</p> <p>Methodology</p> <ul style="list-style-type: none"> - Is the sample of 26 farms representative of the region? Explain how the farms were selected. <p>Results</p> <ul style="list-style-type: none"> - Discuss in more detail the reasons for self-treatment (eg socioeconomic status, availability of a veterinarian). <p>Conclusions</p> <p>The conclusion is clear, but may include: Specific recommendations for practice (eg "Introduce education programs on the correct use of antibiotics"), suggestions for future research, such as monitoring the evolution of antimicrobial resistance in the region.</p> <p>Level of interest: An article of importance in its field</p> <p>Acceptance: Accept after revisions</p>	
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PART 2:

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

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