

Review Form 3

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_129601
Title of the Manuscript:	Antimicrobial use and antimicrobial susceptibility in <i>Escherichia coli</i> on small-scale rabbit farming systems in Korhogo, north-west of Côte d'Ivoire
Type of the Article	Original Research Article

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.	<p>This study investigates the use of antibiotics in rabbit farming in Korhogo, Côte d'Ivoire, and the associated risk of antimicrobial resistance (AMR). The study involved a survey of 48 farmers and the collection of rabbit droppings from 25 farms, followed by testing for <i>Escherichia coli</i> (E. coli) resistance using standard methods.</p> <p>The significance of this study lies in its contribution to understanding the role of farming practices in the development of AMR, its implications for public health, and the urgent need for interventions to promote responsible antibiotic use in animal agriculture.</p> <p>While this study focuses on a specific region, its findings contribute to the global understanding of AMR in agriculture. It reinforces the importance of addressing antibiotic use in livestock production, a major driver of AMR worldwide.</p>	
Is the title of the article suitable? (If not please suggest an alternative title)	Not suitable , I suggest "Antibiotic Resistance in Rabbit farm: A Study on Antibiotic Use and Resistance Pattern in Korhogo, Côte d'Ivoire"	

Review Form 3

<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>Yes I suggest combining the aim, study design and place /duration of the study and replacing them with " The use of antimicrobials in rabbit farming is essential for treating sick animals, controlling disease outbreaks, preventing illness, and promoting growth. However, their overuse and improper application contribute to the development and spread of resistant bacteria, posing a significant public health threat. This study aimed to assess antibiotic use and resistance patterns in <i>Escherichia coli</i> isolates from rabbit farms in Korhogo, Côte d'Ivoire.</p> <p>I also suggest replacing the first two sentences of the results " Of the 48 farmers who took part in the study, less than 1 in 3 (29.2%, 14/48) used antibiotics, and oxytetracycline was the most widely used antibiotic. Digestive disease, skin and respiratory disease were the main causes of antibiotic use."</p> <p>And replace with this " Results: Less than one-third of farmers (29.2%) used antibiotics, with oxytetracycline being the most commonly used. Antibiotics were primarily administered for digestive, skin, and respiratory diseases.</p>	
<p>Is the manuscript scientifically, correct? Please write here.</p>	<p>Yes, but For ESBL- phenotypic production, you should name the test "double synergy test" and describe it test properly as stated in for ex: (Badr, H., Reda, R. M., Hagag, N. M., Kamel, E., Elnomrosy, S. M., Mansour, A. I., ... & Ali, H. R. (2022). Multidrug-resistant and genetic characterization of extended-spectrum beta-lactamase-producing <i>E. coli</i> recovered from chickens and humans in Egypt. <i>Animals</i>, 12(3), 346.)</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>I suggest updating the reference (No. 14) because it is a very old reference for determining the ESBL phenotype</p>	
<p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>It should be edited as the language is weak. For example: The following sentence needs to be modified and revised in English. "Therefore, in this study, the use and practice of antibiotics by rabbit's farmers in korhogo area and we collected fecal samples from rabbit farms and isolated <i>E. coli strains</i> and then analyzed their drug resistance, in order to provide information to determine reasonable use of antibiotics." I suggest replacing it with : Therefore, this study assessed the antibiotic use and practices among rabbit farmers in the Korhogo area. Fecal samples were collected from rabbit farms, and <i>E. coli</i> strains were isolated and analyzed for antibiotic resistance to provide valuable insights for promoting the rational use of antibiotics</p>	
<p><u>Optional/General</u> comments</p>		

Review Form 3

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>	

Reviewer Details:

Name:	Hala Ragab Khalil Ali
Department, University & Country	Animal Health Research Institute, Agriculture Research Center, Egypt