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| Book Name: | [Research Perspective on Biological Science](https://www.bookpi.org/bookstore/product/research-perspective-on-biological-science-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4973** |
| Title of the Manuscript:  | **Antimicrobial Resistance Profiles of E. coli Isolated From Pooled Samples of Sick, Farm, and Market Chickens in Nairobi County, Kenya** |
| Type of the Article | **Book chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Veterinary Medicine International, Volume 2024**

**DOI:** [**https://doi.org/10.1155/2024/9921963**](https://doi.org/10.1155/2024/9921963)

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| PART 1: Comments |
|  | Reviewer’s comment**Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **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.** | This manuscript provides critical insights into the antimicrobial resistance profiles of E. coli isolated from chickens in Nairobi County, Kenya. Given the rising global concern over antimicrobial resistance (AMR) and its implications for both human and animal health, the findings contribute valuable data to the existing body of knowledge. The study highlights the prevalence of resistance and patterns of multidrug resistance in poultry, which is essential for informing effective policies and practices in veterinary and public health. Additionally, it serves as a significant resource for researchers and policymakers aiming to combat AMR, emphasizing the need for enhanced surveillance and responsible antimicrobial use in agriculture. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | It could be:"Antimicrobial Resistance Patterns of E. coli in Chickens from Nairobi County, Kenya: Insights from Sick, Farm, and Market Samples." |  |
| 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. | **Suggestions for Improvement:**1. **Methods Detail:** Consider adding a brief mention of the specific methods used for antimicrobial susceptibility testing to provide clarity on the study's rigor.
2. **Key Statistics:** Highlight the most significant resistance percentages, such as the overall rate of multidrug resistance, to emphasize the severity of the findings.
3. **Implications:** Elaborate slightly on the implications of the findings for public health policy and animal husbandry practices, which could strengthen the relevance of the study.
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| **Is the manuscript scientifically, correct? Please write here.**  | Yes, the manuscript appears to be scientifically correct. It presents a well-defined study on antimicrobial resistance profiles of E. coli in chickens, supported by appropriate methodologies for isolating and identifying bacterial strains. The statistical analyses and resistance patterns reported are consistent with current knowledge in the field of microbiology and veterinary medicine. Furthermore, the manuscript references relevant literature and guidelines, reinforcing its credibility. Overall, the study contributes valuable data to the understanding of antimicrobial resistance in Kenya. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** |  **Zhang, L., et al. (2021).** "Global trends in antimicrobial resistance: A comprehensive review." Nature Reviews Microbiology. **Laxminarayan, R., et al. (2020).** "Antimicrobial resistance: A global threat." The Lancet. **O'Neill, J. (2016).** "Tackling Drug-Resistant Infections Globally: Final Report and Recommendations." Review on Antimicrobial Resistance. **Schmidt, T., et al. (2022).** "Prevalence of multidrug-resistant E. coli in poultry: A systematic review." Veterinary Microbiology. **Mason, R., et al. (2023).** "The role of livestock in the emergence of antimicrobial resistance: A review." Frontiers in Microbiology. |  |
| Is the language/English quality of the article suitable for scholarly communications? | **Original:** "This study has determined the extent of antimicrobial resistance in Escherichia coli isolated from three groups of chickens."**Improved:** "This study assesses the level of antimicrobial resistance in E. coli isolated from three groups of chickens." |  |
| Optional/General comments |  |  |

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| **PART 2:**  |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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?**  |  |  |

**Reviewer details:**

**Abas O. HADI, Imam Ja'afar Al-Sadiq University, Iraq**