

Review Form 1.7

Journal Name:	South Asian Journal of Research in Microbiology
Manuscript Number:	Ms_SAJRM_112666
Title of the Manuscript:	Emergence of High-Level Antibiotic Resistance in <i>Klebsiella pneumoniae</i>: A Narrative Review
Type of the Article	Minireview Article

Review Form 1.7

PART 1: Review Comments

	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)
<p>Compulsory REVISION comments</p> <ol style="list-style-type: none"> Is the manuscript important for scientific community? (Please write few sentences on this manuscript) Is the title of the article suitable? (If not please suggest an alternative title) Is the abstract of the article comprehensive? Are subsections and structure of the manuscript appropriate? Do you think the manuscript is scientifically correct? Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</p>	<p>This review provides a thorough examination of the alarming rise in high-level antibiotic resistance in <i>Klebsiella pneumoniae</i>, shedding light on its complex genetic underpinnings and the significant challenges it poses to global public health. The discussion effectively underscores the urgent need for a multifaceted approach to combat this growing threat.</p> <p>The elucidation of the intricate mechanisms driving antibiotic resistance in <i>K. pneumoniae</i> is particularly commendable, as it emphasizes the multifactorial nature of the problem. By addressing the role of beta-lactamases, aminoglycoside-modifying enzymes, chromosomal mutations, and genetic transfers facilitated by plasmids, the review offers valuable insights into the adaptive strategies employed by the bacterium.</p> <p>Moreover, the review adeptly highlights the far-reaching implications of <i>K. pneumoniae</i> infections, extending beyond healthcare settings to encompass broader economic and social dimensions. By elucidating the adverse effects on healthcare systems, prolonged hospital stays, increased mortality rates, and the redirection of resources, the review underscores the profound impact of antibiotic resistance on vulnerable populations.</p> <p>Furthermore, the review effectively advocates for a coordinated approach to address the challenge of antibiotic resistance in <i>K. pneumoniae</i>. By emphasizing the importance of research collaboration, the development of medical protocols, and the implementation of evidence-based policies, the review underscores the need for collective action to mitigate the spread of resistant strains.</p> <p>The manuscript concludes with a compelling call to action, emphasizing the urgency of addressing high-level antibiotic resistance in <i>K. pneumoniae</i> through coordinated research, innovation, and public health interventions. It underscores the importance of preserving the efficacy of antibiotics and safeguarding public health in the face of evolving microbial threats.</p> <p>Overall, the manuscript provides a valuable contribution to the literature on antibiotic resistance in <i>K. pneumoniae</i>, offering insights into its complex dynamics and implications for clinical practice and public health. It effectively synthesizes existing knowledge while identifying avenues for future research and intervention. The manuscript is well-structured, thoroughly researched, and articulately written, making it a valuable resource for researchers, healthcare professionals, and policymakers alike.</p>	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> Is language/English quality of the article suitable for scholarly communications? 		
<p>Optional/General comments</p>	<p>Minor suggestions for improvement:</p> <p>Consider integrating more recent literature or updates on emerging trends in antibiotic resistance, if available. Ensure consistency in referencing and citation style throughout the manuscript. Clarify certain technical terms or abbreviations for readers who may be less familiar with</p>	

Review Form 1.7

	<p>microbiology or infectious diseases.</p> <p>Overall, the manuscript is well-executed and contributes significantly to our understanding of high-level antibiotic resistance in <i>Klebsiella pneumoniae</i>.</p> <p>This paper may be considered for acceptance after minor correction mentioned above.</p>	
--	--	--

PART 2:

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

Reviewer Details:

Name:	Sampa Baidya
Department, University & Country	College of Fisheries, India