

Review Form 3

Journal Name:	Asian Journal of Biotechnology and Bioresource Technology
Manuscript Number:	Ms_AJB2T_121076
Title of the Manuscript:	SIGNALING MOLECULES IN PSEUDOMONAS AERUGINOSA RESPONSE TO ANTIBIOTICS AT SUB-INHIBITORY CONCENTRATIONS
Type of the Article	

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	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. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	Signaling molecules in <i>Pseudomonas aeruginosa</i> , such as quorum sensing (QS) molecules, play a crucial role in the bacterial response to antibiotics at sub-inhibitory concentrations. They help regulate gene expression related to virulence, biofilm formation, and antibiotic resistance. Understanding these signaling pathways can aid in developing strategies to combat infections and prevent resistance development.	
Is the title of the article suitable? (If not please suggest an alternative title)	Yes, the title of the article is suitable	
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.	Yes, the abstract of the article is comprehensive	
Are subsections and structure of the manuscript appropriate?	Yes, the subsections and structure of the manuscript are appropriate	
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.	Signaling molecules in <i>Pseudomonas aeruginosa</i> , particularly quorum sensing (QS) molecules like N-acyl homoserine lactones (AHLs) and <i>Pseudomonas</i> quinolone signal (PQS), regulate the bacterial response to antibiotics at sub-inhibitory concentrations. These molecules influence gene expression related to virulence, biofilm formation, and antibiotic resistance. Studying these pathways is crucial for developing new therapeutic strategies to combat infections and mitigate antibiotic resistance.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes, the references are sufficient and recent	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes, the language/English quality of the article is suitable for scholarly communications	
Optional/General comments		

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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>	

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