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	

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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.	**Studying signalling molecules in *Pseudomonas aeruginosa's* response to antibiotics at sub-inhibitory concentrations is crucial for understanding bacterial communication, persistence, and resistance mechanisms, which can inform the development of more effective antimicrobial strategies.** **To improve the microbiology aspect of your study, ensure accurate identification of P. aeruginosa using validate incorporating controls to account for variability and ensuring reproducibility of results and also perform susceptibility testing according to standardized protocols like CLSI or EUCAST guidelines for relevant antibiotics**	
Is the title of the article suitable? **(If not please suggest an alternative title)**	**Yes**	
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.	**Abstract is not according to journal guidelines** **Grammatical correction required**	
Are subsections and structure of the manuscript appropriate?	**yes**	
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.	**The study on signaling molecules in Pseudomonas aeruginosa's response to antibiotics at sub-inhibitory concentrations is scientifically robust due to its focus on understanding bacterial communication and resistance mechanisms, which are critical in combating antibiotic resistance. The exploration of sub-inhibitory antibiotic effects provides valuable insights into the adaptive responses of P. aeruginosa.** **However, the manuscript is technically flawed in its identification and susceptibility testing methods. Accurate identification of P. aeruginosa is crucial and should be conducted using reliable molecular techniques, while susceptibility testing must adhere to standardized guidelines like CLSI or EUCAST to ensure reproducibility and accuracy of the results.**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. **-**	**Referencing not according to journal guidelines** **Some references are not well cited/misplaced**	
Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**	**The language and English quality of the article are not suitable for scholarly communications. There are numerous grammatical and spelling errors that need to be addressed to improve readability and professionalism.**	
Optional/General comments	***Overall, the article offers valuable insights into Pseudomonas aeruginosa response to sub-inhibitory antibiotic concentrations, but it requires significant improvements in microbiological methodology and language quality to meet scholarly communication standards.***	

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PART 2:

	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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

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