

## Review Form 1.6

Journal Name:	Asian Research Journal of Mathematics
Manuscript Number:	Ms_ARJOM_91948
Title of the Manuscript:	MATHEMATICAL MODEL ON THE DYNAMICS OF BACTERIAL BLIGHT OF RICE IN THE PRESENCE OF LYSOBACTER ANTIBIOTICUS CONSIDERING INTRODUCTION AT DIFFERENT STAGES
Type of the Article	Original Research Article

### General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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### 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)
<b>Compulsory</b> REVISION comments	<ul style="list-style-type: none"><li>- Authors must justify the choice of functions at the end of section 2.3 devoted to modeling.</li><li>- Proofs of existence and uniqueness of solution, positive invariance of the positive orthant and well-posedness of the model should be given.</li><li>- Apart from the calculation of <math>R_0</math> and disease-free equilibrium, the mathematical analysis of the model is poor. There is no general theoretical study on the endemic equilibrium, on the local and/or global stability of the equilibriums. The study is purely descriptive.</li><li>- Several parameters are estimated but the procedure of estimation is not given. The authors should add it.</li><li>- Authors must improve the quality of writing (organization of ideas, transitions, etc.). Especially introduction and conclusion should be improved.</li></ul>	<ul style="list-style-type: none"><li>-choice justified</li></ul> <p>Existence ad uniqueness proved. There is no need to prove all. Only one of it is ok.</p> <ul style="list-style-type: none"><li>-Local stability calculated</li><li>Source of procedure for estimation included.</li><li>-Quality of writing improved.</li></ul>
<b>Minor</b> REVISION comments	<ul style="list-style-type: none"><li>- The authors should correct typos in the manuscript</li></ul>	Typo corrected
<b>Optional/General</b> comments		

### 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)	