Review Form 1.6

Journal Name:	**Asian Research Journal of Mathematics**
Manuscript Number:	**Ms_ARJOM_90620**
Title of the Manuscript:	**An intrinsic analysis of human brucellosis dynamics in Africa**
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:

(https://www.journalarjom.com/index.php/ARJOM/editorial-policy)

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)*
Compulsory REVISION comments	This paper is very well written which discusses an intrinsic analysis of human brucellosis dynamics in Africa. The authors have nicely proposed two mathematical models for human brucellosis transmission and control one being autonomous and the other non-autonomous and have done extensive analysis. In both models the authors have shown epidemic and endemic analysis. They have performed sensitivity analysis to bring out the sensitivity of the reproduction number R0. Later on they have done optimal control of the models and using numerical simulations they have suggested ways to reduce brucellosis incidence in humans. The results and analysis are quite suitable and accurate. The approach has novelty and the significance of contribution is present in the research paper. Based on my observations I recommend the paper to be accepted in this journal.	
Minor REVISION comments		
Optional/General 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)*	

Reviewer Details:

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