



SDI Review Form 1.6

Journal Name:	<u>British Journal of Mathematics & Computer Science</u>
Manuscript Number:	Ms_BJMCS_33659
Title of the Manuscript:	Mathematical Model of Drinking Epidemic
Type of the 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	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>
<u>Compulsory</u> REVISION comments	The authors present a drinking epidemic model. The population is assumed to consist of non-drinkers (S), heavy drinkers (H), drinkers in treatment (T) and recovered drinkers (R). Initially, the model is represented by differential equations. The reproductive number of drinking free equilibrium is asymptotically stable if $R_0 < 1$ and that of the endemic equilibrium is unstable if $R_0 > 1$. The stability analysis of the equilibria, the drinking free equilibrium is asymptotically stable and the endemic equilibrium is unstable. Furthermore, Numerical simulations was conducted to confirm the analytic results.	
<u>Minor</u> REVISION comments	However, certain aspects of this work should be clarified: 1- I have not found any explicit evidences of type of bifurcations in this model. 2- It is noted that your manuscript needs careful editing, such as the grammar, spelling, and sentence structure so that the results of the study are clear to the readers. 3- The existing literature on epidemic models is very wide, the authors are invited to carefully read the existing papers (the list is much longer than the papers quoted in their work!), in order to see how the models are studied and commented in the literature.	
<u>Optional/General</u> comments		

Reviewer Details:

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