



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	MS: 2012 BJMCS 2758
Title of the Manuscript:	STABILITY ANALYSIS AND HOPF BIFURCATION OF A SEIV EPIDEMIC MODEL WITH SATURATED INCIDENCE RATE

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
My recommendation is to reject this manuscript for following reasons. 1. Conditions of Theorem 3.1 and Theorem 3.2 are wrong. The sufficient condition for the stability of the disease free equilibrium is "$R_0 < 1$", not "$R_0 < a_0$". The author should pay attention to the inequality just above Theorem 3.1, which is the condition for stability. 2. The manuscript is not well organized. (1) Long and Xiang (2011) are mentioned two times in the introduction. (2) Error in equation (3.2). (3) Proves of Theorem 3.1 and 3.2 should be simple. (4) The conclusion and discussion are not good enough to be understood. 3. The result of the manuscript is not good enough for publication. The stability result of the disease free equilibrium is common and easy to obtained.	1. $R_0 < a_0$ is one of the new things in the manuscript. There is no rule that says it should be $R_0 < 1$ always. The calculation shows that if $R_0 < a_0$, the disease-free equilibrium is asymptotically stable and if otherwise, the endemic equilibrium is asymptotically stable. 2. The correction has been effected. There is no error in the equation 3.2 to the best of my ability. Proofs of theorems 3.1 and 3.2 may be simple but they are correct. Young scholars like us should be encouraged. The reviewer should expanciate further on the comment 2(4). 3. It depends on the standard of your journal. The stability result as have said earlier may be simple but correct.