



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_38379
Title of the Manuscript:	A Financial Prey-Predator model with infection in the predator
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:

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

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	Line 317 In Theorem 2.1., the author gievn the conditions for the stable of the positive equilibrium by Routh-Hurwitz criteria, and shown the Hopf bifurcations by numerical simulations. According to "W. M. Liu. Criterion of Hopf bifurcations without using eigenvalues. J. Math. Anal. Appl., 1994, 182(1): 250-256." The conditions for Hopf bifurcations would be theoretically obtained.	
Minor REVISION comments		
Optional/General comments	In the present manuscript the author discusses a modified predator-prey model with logistic growth in both prey and predator populations and an infection in the predator population. Stability analysis is performed and the dynamics of the system are investigated using analytical and numerical simulations.	

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