



SDI Review Form 1.6

Journal Name:	British Journal of Mathematics & Computer Science
Manuscript Number:	2014_BJMCS_14857
Title of the Manuscript:	Periodic solutions of a time delay stage-structured prey-predator model
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>)



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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)
Compulsory REVISION comments	1. Some mathematical expression should be more standardized, for example: P.3 $E_1(\frac{a-b}{c}, \frac{a-b}{c}, 0)$ should be $E_1\left(\frac{a-b}{c}, \frac{a-b}{c}, 0\right)$ 2. P.4 "It is easy to prove that $p_1^2 - 2p_2 - q_1^2 > 0$ and $p_3 - q_3 > 0$, so Eq. (2.3) has a positive root..." The author should give more detail proof about it. Note that, the equation $\omega^3 + A_2\omega^2 + A_1\omega + A_0 = 0$ would have more than one positive roots under the condition $A_2 > 0, A_0 < 0$. So, the condition of Theorem 2.1 should be correct.	1. It has been corrected. 2. The detail proof has been added. As long as $\omega^3 + A_2\omega^2 + A_1\omega + A_0 = 0$ has one positive root, Theorem 2.1 is right. So the condition is correct.
Minor REVISION comments		



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<u>Optional/General</u> comments	In the present manuscript the author considered a stage-structured prey-predator model with time delay. The effect of time delay on the stability of the positive equilibrium and the conditions for the existence of Hopf bifurcation are obtained. Further, the properties of the Hopf bifurcation periodic solution are given utilizing the normal form method and the center manifold theorem.	
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