



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>)



SDI Review Form 1.6

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. Initial conditions play important role in developing of mathematical model. Without this model cannot describe real world phenomena. This has to be corrected in the revised manuscript. 2. Author has not found the conditions for boundedness and positivity of the solution for the system. This has to be corrected in the revised manuscript. 3. Theorem 3.1 on pg.no.9 is incomplete. What is significant of finding μ_2? Author has not discussed about this. This has to be corrected in the revised manuscript. 4. Numerical section must be rewrite. This has to be corrected in the revised manuscript.	1. The initial conditions have been added. 2. There has been the result about the conditions for boundedness and positivity of the solution for the system. $\mu_2 = - \frac{\operatorname{Re} C_1(0)}{\operatorname{Re} \left(\frac{d\lambda}{d\tau} \Big _{\lambda=i\omega_0, \tau=\tau_0} \right)}$ 3. Because $\operatorname{Re} \left(\frac{d\lambda}{d\tau} \Big _{\lambda=i\omega_0, \tau=\tau_0} \right) > 0$ and $\operatorname{Re} \left(\frac{d\lambda}{d\tau} \Big _{\lambda=i\omega_0, \tau=\tau_0} \right)$ are opposite. , the signs of μ_2 and 4. It has been done.
Minor REVISION comments	1. In the numerical results some information on the chosen parameters, if representative of real prey-predator model should be given. 2. The authors did not present any comparison with real data. This has to be corrected in the revised manuscript. 3. The biological meaning of the result must be fully explained. This has to be corrected in the revised manuscript.	We have tried it.



SDI Review Form 1.6

<u>Optional/General</u> comments	While this is a interesting paper containing useful mathematics and a rigorous treatment of a problem with many applications, there are some deficiencies that require revision. This has to be corrected in the revised manuscript.	
---	---	--