



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_58036
Title of the Manuscript:	Hopf Bifurcation analysis for a two species periodic Chemostat model with discrete delays
Type of the Article	Original Research Paper

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/journal/10/editorial-policy>)

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	<p>First of all, the concept of model construction is very interesting. The author introduces single limiting nutrient input varied periodically using a Fourier series with discrete delays in three-dimensional system. But the author gives little efforts on analytical portion. The author only discuss the stability analysis for $\tau_2 \neq 0$ (Theorem 3.1).</p> <ol style="list-style-type: none"> 1. The author try to established stability analysis for $\tau_1 \neq 0$ & $\tau_2 \neq 0$. 2. Numerical should be improve. Example. Fig.4 & Fig. 5 are not a bifurcation diagram. This is time series. Numerical analysis should be improved by plotting bifurcation diagram w.r.t . τ_2. 3. There are so many papers had been published on multiple delay. The author should include some current reference. 	
Minor REVISION comments	<p>Insert appropriate and correct punctuations</p>	
Optional/General comments		



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PART 2:

	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)
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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