



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	No Revision requires	
Minor REVISION comments		
Optional/General comments	The manuscript was well organised, .Authors analyzed a Chemostat model of two species competing for a single limiting nutrient input varied periodically using a Fourier series with discrete delays. Interior equilibrium was identified and local stability and existence Hopf bifurcation were studied to establish the existence of a periodic solution. They identified that the interior equilibrium point changes its stability and due to the delay parameter it undergoes a Hopf bifurcation. The theoretical results were well supported by Numerical results. They also established Fourier series produces the required seasonal variations. The paper was well written and meets the standards of the journal. I recommend to publish the paper without any corrections	

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?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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