



SDI Review Form 1.6

Journal Name:	Journal of Advances in Mathematics and Computer Science
Manuscript Number:	Ms_JAMCS_41247
Title of the Manuscript:	Global Analysis of a Directed Dynamics Competition Model
Type of the 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)
<u>Compulsory</u> REVISION comments	The paper presented some global analysis of a two species diffusion models in heterogeneous environment and discussed some implications of the analysis. The author has to fix some typos and clarify some concepts. 1. In the second sentence of the Abstract, write ... "focus on the" ...; in Keywords write "Directed dynamics"; in Example 2 of page 3, write "vary" in place of "variate"; in first sentence of section 2 replace while with where; the phrase "As previous in fact" in paragraph 2 of page 5 is wrong, replace that; etc. 2. Have a holistic proofreading of the whole manuscript to fix many other typos and grammatical errors, in particular punctuation errors. 3. What did you divide in equation (2.3).Clarify? 4. Restructure all the statements in page 2 to portray succinctly what you mean. 5. Use short sentences in place of compound ones as they often loose meaning.	Please check the followings: All the remarks/suggestions are considered and corrected. Please check the yellow marks colour. We double check the manuscript to correct the typos and grammatical errors. We divided on both sides of the first equation of (2.1) by u^*/P and get the first equation of (2.3), but don't divide in (2.3). Clarification: Mathematically: Since u^* and $P(x)$ both are strictly positive which implies u^*/P is also strictly positive and at that point after divided by u^*/P (or multiplied by P/u^*), there are no change on the boundary conditions. The simplified form is equation (2.3). Biologically: The divider function u^*/P means, the populations (or organisms) distributed according to per capita available resources or distributed according to the directed function $P(x)$. Restructured according to the reviewer suggestions (although in page 2, we did literature review). Few sentences are rewritten in short sentences
<u>Minor</u> REVISION comments		We also acknowledge the reviewers for their valuable comments and suggestions to enrich the manuscript. Please check the acknowledgment section.
<u>Optional/General</u> comments		