



SDI Review Form 1.6

Journal Name:	Archives of Current Research International
Manuscript Number:	Ms_ACRI_37691
Title of the Manuscript:	Time Periodic Varying Deceleration Parameter In Reconstructed $f(R,T)$ Gravity
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	This is an interesting paper, written by authors who are obviously competent. I am inclined to recommend publication, but I would like the authors to address some issues first. First, when I look at their field equation (9), I would expect to recover the standard Einstein field equations after setting $\alpha_1 = 1$, $\alpha_2 = 0$. However, this does not appear to be the case, because the contribution of the Λ term, which does not vanish. Second, what exactly is the significance of $t = \pi / 2n$? What happens before and after this moment in time? What does it even mean that the universe is a DE universe at a specific moment in time? And how can this general conclusion stand given that α_1 and α_2 are unspecified, since I can just as well substitute $\alpha_1 = 1$, $\alpha_2 = 0$ and expect to get back the standard cosmology? Finally, I'd recommend that the authors offer a little bit of an elaboration on the significance of $\Lambda = 0$. If there is no string tension, what's the point of talking about a string cloud in the first place?	Dear Referee, firstly thanks a lot for your carefully reading. According to your important suggestions, we have revised our paper as follows: 1) There was a typo in eq.(9). We have fixed eq.(9) in our manuscript as follows: $\alpha_1 R_{ik} - \frac{\alpha_1}{2} R g_{ik} = (8\pi - \alpha_2 f_1') T_{ik} - \alpha_2 f_1' \Xi_{ik} + \frac{\alpha_2 f_2}{2} g_{ik}$ In this case for $\alpha_1 = 1$ and $\alpha_2 = 0$, we get Einstein field equations. 2) Dear referee, you are right. Also, the other referee has criticized about $t = \pi / 2n$. Then we have erased this sentences "For $k = 0$ and $t = \frac{\pi}{2n}$, we obtain dark energy ($p = -\rho$) solution in f(R,T) gravity." From our manuscript. Also, for $\alpha_1 = 1$ and $\alpha_2 = 0$, we get the standard cosmology. 3) As we write in the manuscript, various authors have used perfect fluid and string cloud in their solutions. Also lots of these authors have obtained zero string density in different metrics and models. In this study we found zero string density in f(R,T) gravity. i.e.This universe model does not allow the formation of strings in the frame of f(R,T) gravitation theory similar other models. Maybe this could be related the dynamics of FRW universe model. We have added this sentence "This universe model does not allow the formation of strings in the frame of f(R,T) gravitation theory similar other models." in conclusion section, lines 174-175 Regards.
Minor REVISION comments		
Optional/General comments	The English of this manuscript leaves a lot to be desired. I very strongly recommend that the manuscript be reviewed by a native speaker of English before publication.	We have checked our manuscript again, thanks a lot for your attention. Ragards.