



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2013_PSIJ_8403
Title of the Manuscript:	Bianchi type-III Magnetized Perfect Fluid Space- Time with Time-Varying Cosmological Constant
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/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)
<u>Compulsory</u> REVISION comments	<p>Report on "Bianchi Type-III magnetized perfect Fluid Space-Time-----"</p> <p>I have carefully gone through the above titled ms.And submit the following points:</p> <ol style="list-style-type: none"> (1) The title should be changed as " Bianchi Type-III magnetized perfect fluid Cosmological model-----" (2) The presence of magnetic field in the universe is almost negligible and in such case what is the importance of the model (3) Why should any body consider time varying cosmological constant and what is its importance in the present scenario of accelerated expansion of the universe (4) They have assumed an adhoc mathematical relation 	<ol style="list-style-type: none"> (1) The title is changed as "Bianchi Type III Magnetized perfect Fluid Cosmological Model with Time Varying Λ". (2) Such models play important role for describing the early stages of evolution of the physical universe. It is believed that at the early stages of the universe electromagnetic field are produced. (3) The motive behind introducing time varying cosmological constant is properly described in introduction section of the paper. (4) The ad-hoc mathematical relation (27) is assumed in Equation (26) to write two equations in two unknown functions r and s, accordingly we obtain solutions for r and s from single equation (26). (see ref.



SDI Review Form 1.6

	<p>(5) How do they reconcile with physical discussion</p> <p>(6) They should come out with clear motivation why they are considering this metric only</p> <p>(7) Unless they address the above points this is a routine graduate exercise</p>	<p>(50)).</p> <p>(5) Kindly refer the results and discussion section.</p> <p>(6) Bianchi type-III model is a prime candidate for studying the possible effects of anisotropy in the early universe on modern-day data observations.</p>
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		