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SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_9604
Title of the Manuscript:	Distributions of electron density and electron temperature in magnetized DC discharge
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)



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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		
	In this article entitled "Distributions of electron	
	density and electron temperature in magnetized DC	
	discharge" the authors investigated the radial and	
	axial distributions of electron densities and	
	temperatures in presence and absence of permanent	
	magnetic field for glow arc discharge plasma.	
	This study has significance in the respective fields	
	and potential to be published. I would like to	
	recommend this article to publish in "Physical	
	Science international journal after addressing the	
	suggested modifications as given below	
	1 The manuscript is needed to be improved	
	grammatically	
	grammaneany.	
	2. The Experimental section is incomplete. The arc	
	discharge setup in reference 11 does not represent	
	the clear picture of the investigations carried out in	
	this study. So, it would be better to provide the	
	schematic diagram of experimental setup in this	
	article. It will facilitate readers understanding	
	article. It will facilitate readers understallding.	
	3. The information regarding to physical conditions	
	(voltage, current, ambient conditions, electrodes	
	nature and dimensions, distance between electrodes	
	etc) used to generate glow discharge and applied	
	magnetic field (i.e. dimensions and strength of	
	magnetic neta (i.e. annensions and strength of	

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		magnetic field) have not been included in experimental setup section. It is suggested to incorporate the physical conditions used to generate discharge plasma.	
	4.	No variation in the electron temperature along radial axes in presence and absence of magnetic field need to be explained in more details.	
	5.	The discussion related to the discharge currents with respect to pressures with and without magnetic field is not sufficient i.e. the figures 1 to 4 need to be discussed in more details separately.	
	6.	In subsection 3-1 on page 3 under the sub-point 1. The figure numbers are missing. Need to correct.	
Minor REVISION comments			
Optional/General comments			

Note: Anonymous Reviewer