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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	This paper reports the results on "Distributions of	
	electron density and electron temperature in	
	magnetized DC discharge". It is noticed that the	
	work is of interest and should be considered for	
	publication after extensive revisions and	
	improvements suggested below	
	improvements suggested below.	
	(1) The INTRODUCTION section does not	
	contain any literature on double probes that were	
	used as a main diagnostic in this research Why	
	authors use double probes rather triple probes or	
	single probe or optical emission spectroscopy	
	They should justify this in introduction section	
	For reference alonge mod the following non-arry	
	For reference please read the following papers:	
	I. N. U. Kenman, M. A. Knan, M. Y. Naz, M. Shafia M. Zakaullah Characterization of	
	13.56 MHz RF Ne_N2 mixture plasma using	
	intrusive and non-intrusive diagnostic	
	techniques, <i>Physica Scripta</i> , Vol. 88 (4), 2013.	
	2. M. Y. Naz, A. Ghaffar, N. U. Rehman, M.	
	Azam, S. Shukrullah, A. Qayyum, M.	
	Zakaullah, Symmetric and asymmetric double	
	Langmuir probes characterization of radio	
	frequency inductively coupled nitrogen plasma,	
	Progress In Electromagnetics Research, Vol.	
	$113, 20/-221, 2011.$ $2 \qquad M \qquad V \qquad Naz \qquad A \qquad Chaffar \qquad N \qquad U \qquad Dahman \qquad S$	
	5. IVI. I. INAZ, A. Ollahal, IN. U. Kenman, S.	

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 Naseer, M. Zakaullah, Double and triple Langmuir probes measurements in inductively coupled nitrogen plasma, <i>Progress In</i> <i>Electromagnetics Research</i>, Vol. 114, 113-128, 2011. M. Y. Naz, A. Ghaffar, N. U. Rehman, S. A. Shahid, S. Shukrullah, Characterization of an In-house Built 50 Hz Single Dielectric Barrier Discharge System Having Asymmetric Electrodes, International Journal of Engineering & Technology IJET-IJENS Vol:12(05), 53-60, 2012. M. Y. Naz, A. Ghaffar, N. U. Rehman, S. Shukrullah, M. A. Ali, Optical characterization of 50 Hz atmospheric pressure single dielectric barrier discharge plasma, Progress In 	
Electromagnetics Research M, Vol. 24, 193-207, 2012.	
 (2) The EXPERIMETNAL SETUP section does not explain: the measuring protocol, the details on double probes geometry and associated electronic circuit, the geometry of the DC discharge reactor, meshing of the radial and axial scanned area, the electrode geometry, used magnets, etc. Please follow the above mentioned papers and improve your paper accordingly. (3) The theory presented in the RESULTS AND DISCUSSION section should be the part of the INTRODCUTION. In order to know, how to structure the sections, please read the above 	
mentioned papers and other similar kind of papers. Extensive discussions are desirable on the	



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	presented results.(4) It would be better to present the graphs in2D format rather 3D format.(5) English needs significant reworking as some sections are very difficult to understand.
Minor REVISION comments	
Optional/General comments	I would like to review this paper again after necessary modifications.

PART 7: Reviewer Details:

Name:	Muhammad Yasin Naz
Department, University & Country	Universiti Teknologi PETRONAS, Malaysia