



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	Ms_BJAST_22559
Title of the Manuscript:	Safety Design of Plasma Experiment and Generation System
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:

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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 the abstract define EPGS. Introduction Line 2, "In lieu of this possible trend it is important to consider" Not understand very well rewrite the idea. Probably. In this topic is very important to consider. Line alleviate and reduce or only reduce 1. 1. Objective and Purpose Line 8 To define RTSV 1. 2. Literature Review Line 4 "for failure alleviation" or take out failures. Line 6 "embody" or incorporate Line 10 Such mentality is not entirely wrong, The mentality of who? Review the idea. Review this paragraph if it f this is really necessary, because very general ideas are presented and repeated. 1. 3. Engineering Design of Plasma Experiment Line 2 say.. EPGS includes a vacuum pump"...	1.1. Objective and Purpose 1.3. Engineering Design of Plasma Experiment. The configuration presented in the EPGS is not achieving hard vacuum, hence the use of the extra pumps is avoided in the current design. In the near future it is expected that the design will change, however, so the design advice provided is appreciated. Subject matter note: The paper presented has a "political" tone as a result of the implementation of a standard in the design. Prior to the simulations or the investigation of the EPGS performance with respect to the possible multi-functional uses it is necessary to have some bearing on how to apply a standard with respect to the safety of the device; by and large, the purpose of the paper was to define the operating boundaries for the safe operation in a potential device. Admittedly, a detailed analysis with the use of at least an MHD



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	but normally, in complete plasma generation systems are included at least two mechanical and diffusion or turbo pumps. Line 10 to 22 It is suggested to be deleted from line 11-20 and identification will be include in Figure captions 1, 2 and 3. In the figures 1, 2 and 3 increase the size font a, b, c, d, etc.. And define all components in each figure. Increase size of figure too. Figure No.3 All as picture or drawing. Figure 4 describe the components. In the figure 9 and 10 to include the units in the axis x and y. Increase the size font. Argon is the most used gas for plasma, Helium is more expensive and it has different behavior. Review all document and change slang words by technical words. Examples alleviate, prone, interplay (interaction) Suggest change alleviate for reduce or other synonyms. In manuscript is expected to find data and graphics, related behavior and plasma generation system based on system variables and as in the secure design for the generation of plasma, but not convincing information was found. Due to the very general information and repetition of it, the document looks more like a political	model is desired, at the time of submission such expertize was not available. Currently, the facilities, the resources, and the expertize has become available and the idea of EPGS will be further developed within the scope of more conventional plasma engineering approach. Corrected Corrected Corrected Corrected
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	justification for the system implementation. Perhaps the authors should submit a checklist with the most important points of the system. Although each plasma system is different.	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		