



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_24355
Title of the Manuscript:	A 2D formulation for the helium atom using a four-spinor Dirac-like equation and the discussion of an approximate ground state solution.
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>)



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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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	<p>It is a good paper but it suffers with some short comings, some grammatical mistakes and some typographical errors. In view of these observations it should be revised by incorporating the following points:</p> <ul style="list-style-type: none"> i) The section of introduction contains well known facts up to line-34 and this matter must be removed and replaced by the specific motivations for the work reported in this paper. ii) Equations -3 of second section give the well known Dirac's representation of Dirac operators. The preference for this choice in this work over another more frequently used representation (Majorana representation) should be justified. iii) Non-commutation of orbital angular momentum operator of Dirac particle with its Hamiltonian is well known and it has been the basis for the automatic incorporation of spin of Dirac particle. This very well known fact has been discussed in lines138-147. This material should be removed by referring the above mentioned fact . iv) Unconventional words like 'manageability' (line-36), 'operacionality' (line-37), 'inividualities' (line-85) must be avoided. v) Word 'conducted' (line-46) must be replaced by 	



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	the word 'carried'	
<u>Optional/General</u> comments	The paper should be reviewed again after its revision incorporating above mentioned points	

Reviewer Details:

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