



SDI Review Form 1.6

Journal Name:	<u>Physical Science International Journal</u>
Manuscript Number:	Ms_PSIJ_23750
Title of the Manuscript:	PERFORMANCE OF 19.75% UO₂ FUEL MATERIAL IN THE CORE OF NIGERIA MINIATURE NEUTRON SOURCE REACTOR (MNSR) Please kindly take note that I have also make some little correction in the journal title , the journal now entitle: COMPUTATIONAL STUDY OF 19.75% UO₂ FUEL FOR THE CORE CONVERSION OF NIGERIA RESEARCH REACTOR-1 (NIRR-1) FROM HEU TO LEU
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)
Compulsory REVISION comments	Please supply authors and Institutions According to Figure 2, it seems 19.75% is most appropriate. Is Figure 2 your originality? English grammar must be corrected as there exits several mistakes. If English mistakes will be corrected and Figure 2 is the originality of the authors, I have a mind to accept the submitted manuscript.	<ol style="list-style-type: none"> 1. Samson, D.O. (Department of Physics, University of Abuja, P.M.B. 117, Abuja, Nigeria) 2. Onimisi, M.Y. (Department of Physics, Nigerian Defence Academy, Kaduna State, Nigeria) 3. Salawu, A. (Department of Physics, Federal University Lokoja, Kogi State, Nigeria) 4. Buba, A.D.A. (Department of Physics, University of Abuja, P.M.B. 117, Abuja, Nigeria) 5. Rabba, J.A. (Department of Physics, Nigerian Defence Academy, Kaduna State, Nigeria) <p>Figure 2 in the previous journal is still figure 2 in the final manuscript, due to reframing I have made in the journal title. The figure is my originality.</p> <p>The information available to us from literature shown that a research has never been conducted on NIRR-1 using 19.75% enriched UO_2 material as the fuel with VENTURE-PC code and SCALE 6.1 code as the computational tools.</p>
Optional/General comments		Please kindly take note that I have also make some little correction in the journal title , the journal now entitle: COMPUTATIONAL STUDY OF 19.75% UO_2 FUEL FOR THE CORE CONVERSION OF NIGERIA RESEARCH REACTOR-1 (NIRR-1) FROM HEU TO LEU.