



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_28041
Title of the Manuscript:	Computation of radiation risk parameters due to gamma radiation doses from some rivers within oil producing communities of Abia State, Nigeria
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	Radiological risk parameters due to gamma radiation have been computed for water samples collected from three rivers around the surveyed oil producing areas. The results of annual effective dose of radiation due to ingested water show very high deviation from the standard limit of 0.1 mSv/yr.	I have revised this comment to read; Radiological risk parameters due to gamma radiation have been computed for water samples collected from three rivers (Owaza, Imo and Umore rivers in Ukwia West LGA) around the surveyed oil producing areas. The results of annual effective dose of radiation due to ingested water (EDIW) ranged from 1.89 to 3.52 mSv/yr for the surveyed areas. These results show very high percentage deviation (1790 % to 3420 %) from the standard permissible limit of 0.1 mSv/yr [13]
<u>Minor</u> REVISION comments	The information on one of the figures are not readable, please check	I have made Figure 1 more visible.
<u>Optional/General</u> comments		