

Editor's Comment:

Editorial Report: : 2024/PSIJ/115983:

Authors study the possible cancer risk factor due to consumption and other utilisation of water from Aboh river dam of Ogwashi-Uku. The result is negative.

Going through both the referee's reports, I feel that the reports are sketchy, since there are wrong statements which have been ignored. However, the second referee asked for some revisions, which would take years to perform. With the hope, that the authors (if truly serious researchers) would keep their commitment (study seasonal variations as well as long term monitoring in subsequent research), I think that the manuscript may be published in PSIJ after some minor revisions, but no less serious, stated below.

1. The abstract should be precise. Remove the marked portion (it is already there in section 2).

2. While the hazards from cancer is very low in Africa, particularly in respect of some advanced European countries such as Denmark and else, it is worrying in Nigeria. The present analysis, if true, asserts that huge cancer death (72,00/annum) and diagnosed (1,02,000) out of 200 million population of Nigeria, is not due to water pollution. I would therefore request the authors to enlighten the issue in the conclusion, which may be due to some other reasons.

3. It (water) has existed since the very beginning of the universe. The statement is wrong and should be removed.

4. These radionuclides are subsequently carried down to the ground and surface water bodies through rainfall. Earth's atmosphere protects us from Cosmic rays, only an insignificant amount reaches earth which causes no hazard. So, the statement should be removed.

5. 'radon' appears in small letter, while 'Thoron' is capitalized.

6. The statement 'Additionally, the presence of naturally occurring radioactive materials (NORMs) ...' is redundant and should be removed.

7. Avoid using comma before conjunctions, such as 'and'.

8. 'Into three regions', should be into three 'purposes/desideratum'.

9. Figure 1 show, should be shows. Each were should be was. Rewrite the marked sentence in 2.2. Give unit in WHO's recommended limit.

10. The algebraic expression in eqn. 1 is explained in the text below in different fonts, such as N becomes N, Effaß becomes Effaß, Vs becomes Vs. Same is with eqns. 2, 3, 4.

11. There are some additional marked sentences which should be corrected/clarified.

I am attaching the marked manuscript, for author's convenience.

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