

Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_90881
Title of the Manuscript:	Activity level of 238U, 232Th, 40K and resultant dose rates in soil and some common cultivated vegetables
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:

(<https://www.journalijpss.com/index.php/IJPSS/editorial-policy>)

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	<p>This document starts with a very detailed introduction. The isotopes of potassium (40K), uranium (238U), thorium (232Th) were considered. The authors have chosen a very versatile representation, which means necessary for the assessment of the experimental studies: Tropical Medicine, Plant Biology, Nuclear Physics, Geography, experimental detection in various manners, e.g. X-Ray results, and the basis on the Germanium (HPGe). Plots and results are given with high precision, errors are indicated, giving the reader a good understanding of the accuracy of the measurements. It is very detailed to report all results in "SI units", Becquerel as a measure of radiative activity, so that those values are comparable around the world. Such an investigation is extremely difficult to understand by researchers outside the subject, however, the authors managed to make the entire subject fully understandable on every point. Extra-terrestrial radiation was also discussed, which then, moreover, includes an astrophysical aspect, which sounds very interesting. With regard to the research presentation, the objects are excellently selected, since the "food" examined and considered occurs in almost every region of the earth. Here it is, specifically the samples (potato, Solanum tuberosum and carrot, Daucus carota) and vegetables (tomato, Solanum lycopersicum and aubergine Solanum melongena). The measurements were carried out with "meticulousness" and the results are very accurate.</p> <p>It is very detailed to report all results in "SI units", Becquerel as a measure of radiative activity, and these values are comparable around the world. Such an investigation is extremely difficult to understand by researchers outside the subject, however, the authors managed to make the entire subject fully understandable on every point.</p> <p>Extra-terrestrial radiation was also discussed, which then, moreover, includes an astrophysical aspect, which sounds very interesting.</p> <p>With regard to the research presentation, the objects are excellently selected, since the "food" examined and considered occurs in almost every region of the earth. Here, it is specifically the samples (potato, Solanum tuberosum and carrot, Daucus carota) and vegetables (tomato, Solanum lycopersicum and aubergine Solanum melongena).</p> <p>The measurements were carried out with "meticulousness" and the results are very accurate</p>	
Minor REVISION comments NONE		
Optional/General comments NONE	I strongly recommend the publication of the manuscript in Your Journal	

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

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