



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	Physical Science International Journal
Manuscript Number:	Ms_PSIJ_28074
Title of the Manuscript:	The Radiological Impact of a Municipal Solid Waste dumpsite on Soil and Groundwater using Gamma Ray Spectroscopy.
Type of Article:	Original Research Article

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
Tables 1 and 2: The measurement uncertainty should be rounded to one significant figure and the results should be rounded accordingly, for example, 95.65 ± 15.44 should be rounded to 100 ± 20, or 274.12 ± 24.91 should be 270 ± 20 or 23.16 ± 7.92 should be 23 ± 8 etc. It was requested in the first revision, but the authors did not make the requested changes nor did they offer any explanation as to why they insist on keeping the results with so many significant figures. The preparation of the samples is not explained. Was the soil dried and sieved, in which geometry were they measured? Surely the authors did not put the plastic bag in to the detector, as it may seem from the text in the present form. Were the water samples evaporated or were they just put into the 1.5 l bottles and measured in that geometry? Add one sentence that will explain this, i.e. -The soil samples were placed in ... sealed and stored until the radioactive equilibrium was achieved and measured for 10000s. -Water samples were placed in 1.5l bottles, sealed and stored until the radioactive equilibrium was achieved and measured for 10000s. In the concluding parts of the manuscript, the authors make the observation that, even if the radiological hazard from the dump site is negligible at the present moment, the regular control is highly recommendable. Is there some legislation considering the regular monitoring of such places? This paper can be used as a preliminary evaluation of radiological hazard and the need for continuation of the monitoring should be clearly stated.	

Reviewer Details:

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