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Journal Name:	**Physical Science International Journal**
Manuscript Number:	**Ms_PSIJ_23419**
Title of the Manuscript:	**Application of Gamma-Ray Attenuation in Studying Soil Properties**
Type of the Article	**Original Research Articles**

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:

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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	- **In this article tha authors try to investigate the dependence of some properties on the interaction enery simulately.** - **It is good idea, but unfortunately, its value is reduced by some problems as follows:** 1. **All equations are not cited.** 2. **All equations are not described the dependence of properties on the interaction energy (Gamma-ray energy), the intensity in Equation (1) is the probe energy only.** 3. **All input parameters to distinguish the different of soil samples are not given, so that the obtained results have not sense.** 4. **There are many mistaks in presentation of manuscrift.** **Suggestion :** **As shown in article , the mass attenuation coeffcient μ/ρ depends on the chemical composition and energy , that means μ depends on Gamma-ray energy (or the nature of all compositions in soil depend on interaction energy), and ρ depends on the composition. It is necessary to show those dependence in all equations before simulation.** **If the dependence of all properties on energy shown in all figures can be treated true, it is**	

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	necessary to explain the physical mean (it is best rewrite all equations with the interaction energy parameter)	
Minor REVISION comments		
Optional/General comments		

Reviewer Details:

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Department, University & Country	**Vietnam Academy of Science and Technology, Vietnam**