



SDI Review Form 1.6

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:

(<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	<ul style="list-style-type: none"> - In this article the authors try to investigate the dependence of some properties on the interaction energy simulatly. - It is good idea, but unfortunately, its value is reduced by some problems as follows: <ol style="list-style-type: none"> 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 mistakes in presentation of manuscript. <p>As shown in article, the mass attenuation coefficient 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.</p> <p>If the dependence of all properties on energy shown in all figures can be treated true, it is necessary to explain the physical mean (it is best rewrite all equations with the interaction energy parameter)</p> 	<p>All comments are modified</p> <p>Suggestion :</p>
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		