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Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2014_BJAST_12171
Title of the Manuscript:	BASELINE MEASUREMENTS OF NATURAL RADIOACTIVITY IN SOIL SAMPLES FROM THE FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI, SOUTH-EAST, NIGERIA.
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:

(<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	The paper reports relevant natural radioactivity and dose assessment an important area around the Federal University of Technology, Owerri, Nigeria Some corrections should be done as follow In line 91-96 sentence of "A time of four weeks was allowed after packing and sealing to attain secular radioactive equilibrium between Ra-226 and its short-lived daughter products." Should be changed to "A time of four weeks was allowed after packing and sealing to attain secular radioactive equilibrium between Uranium, Thorium series and their short-lived daughter products." Energy calibration and relative efficiency calibration procedure is unclear. It should be added in "Materials and Methods" section Minimum Detectable Activity (MDA) is unclear. It should be added in "Materials and Methods" section There is no information about quality assurance procedure and certified referens materials. It should be summarized in "Materials and Methods" section	These changes have been effected as suggested. This has been effected on the revised version. These changes have been effected as suggested. These changes have been effected as suggested.
<u>Minor</u> REVISION comments	A correction in line 42 should be done, changing radionucides by radionuclides	This observation has been corrected in the revised version of this paper.



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<u>Optional/General</u> comments	Paper contains valuable knowledge of soil radioactivity and dose assessment about a specific location of Owerri, Nigeria. Generally be considered as valuable and rigorous study, although there are some shortcomings	
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