



SDI Review Form 1.6

Journal Name:	<u>British Journal of Applied Science & Technology</u>
Manuscript Number:	Ms_BJAST_32538
Title of the Manuscript:	Carbon Sequestration and Soil Carbon Stock under Maize/Legume Cropping System in Alfisols of a Savanna Zone, Nigeria
Type of the Article	Original Research Paper

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)
Compulsory REVISION comments	Wrong reference style. From the journal's website: <i>References must be listed at the end of the manuscript and numbered in the order that they appear in the text. Every reference referred in the text must also present in the reference list and vice versa. In the text, citations should be indicated by the reference number in brackets [3].</i> This journal also prefers abstract with sub-titles. From the website: <i>Different sub-sections, as given below, should be used.</i> Since this is a British journal, surely British English should be used? Check with editor. You make use of American English. You use both: behaviour British, recognizes American. Difficult to give my suggestions since you didn't use line numbers. I will try: Page 1: Please use small letters for common names such as maize, legume, soybean, carbon, organic, muriate, urea, etc. Please use a space between numbers and units. Check out https://www.shodor.org/UNChem/math/units/index.html Also: $C\ ha^{-1}$ is correct and easier to read than Cha^{-1}. Sole maize or <i>Desdemonium</i> – I suggest you use 'monoculture' rather than 'sole'. It is the better agricultural term. <i>Desmoniumis</i> a genus name. Make sure it is everywhere in <i>italics</i>. Key words: either ALL are written with capital letters or none. Check spelling of Papendick – it is different in your reference list. What do you mean with 'high rates or off-take' of carbon losses? CO_2 and not $CO2$ Page 2: check spelling of Balasubramanian – differs from	Journal's reference style is adopted in text and reference list. Suggested corrections have been effected in text



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	reference list. 2nd paragraph, second last line: ... management practice(s) for best ... Last line on this page – check spelling of Oluwasemire Page 3: First paragraph – what do you mean with “exchangeable and acidity”? Exchangeable WHAT? Paragraph 2: The treatments were: Randomized complete block design (randomised if British English). In this trial, the soybean variety used was IITA-TGX-1951, while the quality protein maize SAMMAZ 14 and <i>Desdemonium uncinatum</i> were used. (An alternative suggestion for the very long and cumbersome sentence you used). The paragraph before the equations: ...aggregates were calculated as shown below in equation 1 by summing OR: ... aggregates were calculated as shown below (equation 1) by summing ... You need to space the equations. It is almost impossible to sieve through the text to find the equations. No-one wants to work too hard reading anything. Please use spaces before and after your equations and between numbers and units. I would also suggest using * instead of X for the multiplication sign – it just adds to the confusion. Page 4: Rhoades is not in your reference list. Pre-initial First line of this paragraph: ... experimentation ranged between ... since the study was done in the past. Next paragraph: ... therefore slightly acidic at the soil ... Horst is the first name of this author, not his surname. It should be Marchner, 1989. Second last line on page: ... in the surface and sub-surface respectively. Page 5: Second last line of first paragraph – what are com depths?? Table 1 – align properly – your values are skewed. Page 6: Arshad, Arshad & Coen and Ike not in reference list	
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	Page 7: last line... Alfisols for more sustainable crop production. Table 3 footnote: <i>Desmonium</i> italics. Page 9 fig 2: Change (%)%...?? From the journal's website: <i>P</i> is always italicized and capitalized. Correct expression: (<i>P</i> = .05). Wrong Expression: (<i>P</i> < .05), unless <i>P</i> < .001. The <i>P</i> value should be expressed to 2 digits whether or not it is significant. If <i>P</i> < .01, it should be expressed to 3 digits. Least vs lowest: When you can measure something, it is lower or lowest (your example of mean organic carbon). Unmeasurable things (love, hate, effort) will be least or lesser. Also page 11, 13 9 lines from the bottom: Assessing the soil for percent change in organic carbon?? over 2014 ... Page 10: ... as ~~against~~ compared to monoculture maize Table 4 footnote: what does DNMRT stand for?? Page 11 Fig 3: move your x=axis labels. The -5 line goes through the words. 4 lines from the bottom: ... treatments would be more readily available.... Page 5 table footnote: I know you mean MAag=macro aggregate and MiAg micro aggregate, but since these are not official abbreviations, you have to explain them. Also, keep to one format. MiAg and MaAg OR Mlag and MAag. Page 14 : 3rd line from the bottom of the last paragraph – These results suggest ... Last line: .. the other treatments tested in this study. References: Wrong style. See journal website. Not properly aligned. Also check spaces after full stops. Journal names in italics or not? Abbreviated or not? Check journal website.	
Minor REVISION comments		
Optional/General comments	Next time, please use line numbers!	