

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_81273
Title of the Manuscript:	Active and passive soil organic carbon pools as affected by different Land Use Patterns in red soils of Vikarabad district,Telangana
Type of the 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:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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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		
Minor REVISION comments		
Optional/General comments	<p>This study evaluates the effects of land use change on various pools of soil organic carbon in red soils of Vikarabad district, Telangana. In a context of climate change and land use dynamics, this study is very important because it clearly highlights the effects of land use change on soil organic carbon pools, which has a direct effect on climate change.</p> <p>In general, the paper presents a background of the main concept, identifies the problem statement and defines the objectives of the study. The methodology is detailed and well written. The results are presented in detail, accompanied by a few relevant discussions. The conclusion of this work is supported by the results presented. Lastly, the choice of references is very good as they are very relevant and linked to this work.</p> <p>Overall, this is a good paper with very interesting information, and so it is worth publishing. However, there are some issues that need to be addressed in order to improve on the quality.</p> <ol style="list-style-type: none">1) The title should include the country (India)- see suggestion in the manuscript.2) In the introduction, some few statements need to be supported by references (see the manuscript). Also, double check the unit; $1 \text{ Pg} = 10^{-15} \text{ g}$. Is it not supposed to be 10^{-12} g ?3) In the materials and methods section, the author should choose one particular system to write the geographical coordinates. See comments on the manuscript.4) In the soil sampling and sample preparation section, the author should give the classification of the soil (e.g. Ferralsol). This is helpful for anyone who intends to conduct a similar study. Using the term 'red soil' appears to be too general. The author reports that a total of 320 soil samples were collected. It is important to indicate the number of samples per land use type.5) Give the English translation of the word 'Mandals'.6) In the results section, Label the axes of Figures 2 and 3. <p>As concerns the write-up, there are many grammatical errors and some technical issues which I have corrected in the manuscript.</p> <p>If the above revisions are made, the paper will be very suitable for publication.</p>	<p>Thank you for your valuable comments</p> <p>Corrected</p>

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	