



SDI Review Form 1.6

Journal Name:	Current Journal of Applied Science and Technology
Manuscript Number:	Ms_CJAST_44649
Title of the Manuscript:	Characterization and classification of rubber growing soils of Kerala, India
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:

(<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		
Minor REVISION comments	This paper (Ms_CJAST_44649) written by Author(s) deals with important research about "Characterization and classification of rubber growing soils of Kerala, India". This study was carried out in rubber growing area of Elamdesam block, Kerala, India. As the mentioned by author(s) "Characterization, classification and evaluation of soils for different land uses are the first milestone to develop sustainable and eco-friendly land use system. Systemic study of soil as natural resource provides information on nature and type of soil, their constraints, potentials" This case is still able to add some knowledge of interest to not only for soil scientist but also for an environmental readerships. Statement of manuscript is clarity and introduction sections were supported enough research literatures. In addition, the paper contains some useful information that is worthy of publication and usefulness for other researchers in this field. Statement of manuscript is clarity and introduction and results sections were supported enough research literatures. The main objectives of this research were given by authors in introduction section and these objectives were clearly explained in result and discussion section. Methodology is suitable for research aims and analytical results of research were given adequately in result and discussions section. On the other hand, some additional information should be given in text, - Abstract section is very short and not clarity about study such as it should be given some numerical and/or statistical results. So, it should be reorganized - Soils great groups in FAO/UNESCO (2014) should also be given as Soil Taxonomy (2014). In addition FAO/UNESCO literature should be added in reference list. Because this classification system has been commonly used in both European countries and world. - It should be written soil moisture and temperature regimes as Udic and Hyper Thermic" respectively, in Detail of the Study Area section - I think that soil classification of pedon 12 is wrong it is not in Alfisol order. According to Soil Taxonomy, Alfisol order must include a argillic sub surface horizon. But it is not enough clay accumulation from illuvial horizon to illuvial horizon in these pedon. So, it should be checked from argillic horizon description in Soil Taxonomy. In addition, Alfisol soils has to include more than 35% base saturation but base saturation of pedon 12 has lower than 35%. I think these pedon can be classified as Inceptisol. - Figure 1 (location map) is not good quality to describe the study area, it should be increased - Some literatures should be given in introduction or result and discussion sections to increase paper quality. These are; "Dengiz O. 2010. Morphology, Physico-Chemical Properties and Classification of Soils on Terraces of the Tigris River in the South-East Anatolia Region of Turkey. <i>Journal of Agricultural Sciences</i>, 16 (3), 205-212". "Dengiz, O ve Başkan, O. 2010. Characterization of soil profile development on different landscape in semi-arid Region of Turkey a case study; Ankara-Soğulca catchment. <i>Journal of Anadolu Agriculture Science</i>, 25 (2): 106-112". Tunçay, T., Dengiz, O. 2016. Chemical Weathering Rates And Geochemical-Mineralogical Characteristics Of Soils Developed On Heterogeneous Parent	



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	Material And Toposequence, Carpathian Journal of Earth and Environmental Sciences, 11; 583-598” - It should be checked reference list and literature in text I think that these suggestions contribute to the manuscript. In brief, my opinion is, this manuscript has been written in standard scientific way and is suitable for publication in an international journals. Consequently, the paper has some potential, but needs quite some work. Therefore, the manuscript can be accepted for publication after minor revision.	
<u>Optional/General</u> comments		

PART 2:

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

Reviewer Details:

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