



SDI Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	Ms_IJPSS_29745
Title of the Manuscript:	Assessment of some Tropical Plants for use in the Phytoremediation of Petroleum Contaminated Soil: Effects of Remediation on Soil Physical and Chemical Properties
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	<ul style="list-style-type: none"> - The title is ambiguous & should be modified as suggested - Tables should have been separated showing petroleum contaminated & uncontaminated soils - The article needs proper grammar editing - You should have determined TPC after 90 days of plant to enable you assess rate of degradation of HC - Some citations are not referenced, eg. Mbah et al. (2009) - There should be separate discussions on interactions and individual results - Use letters to indicate significant differences among figures in the Tables - Logically, if bulk density is increased, total porosity will be decreased & this will affect hydraulic conductivity. So your argument of petroleum contamination increasing hydraulic conductivity is doubtful. - <p>Proposed New Title: Phytoremediation of Petroleum Contaminated Soil in Enugu State, Nigeria</p>	
<u>Minor</u> REVISION comments	<ul style="list-style-type: none"> - The report of 'hydraulic conductivity, total porosity value & moisture content ... are contradictory (see lines 17, 18 & 19. - Add 'with' b/4 'mean' & 'of' after 'elevation' in line 67 - In line 89, explain in detail how you applied the oil. Is it by pouring it or through spraying? - Delete the comma after et al. in lines 111, 125 - Check for the correct spelling of 'Mulvaaney' in line 112 	



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	<ul style="list-style-type: none"> - Delete comma after 'Kurtz' in line 116 - The statement in line 157 beginning with 'the other interaction was observed' is not clear, recast - Recast the statement in line 168 beginning with 'other interaction effects. The least total' - Recast lines 174, 175 & 176 for clarity. - In line 179, effect previous similar correction on the phrase 'interaction effects' - Correct the word 'contaminate' to 'contaminated' in line 233 - Convert '(C mol kg⁻¹)' in table 1 to Mg kg⁻¹. - Explain why only hydrogen constituted exchangeable acidity in table 1. 	
<u>Optional/General</u> comments		

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