



SDI Review Form 1.6

Journal Name:	International Journal of Plant & Soil Science
Manuscript Number:	2014_IJPSS_11742
Title of the Manuscript:	BIOREMEDIATION OF THREE BRAZILIAN SOILS CONTAMINATED WITH USED LUBRICATING OIL
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.

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PART 1: Review Comments

	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>
<u>Compulsory</u> REVISION comments	<p>1. Introduction section does not contain updated reference cover the title of the papered it should include updated work (e.g Safi J., Awad Y., El-Nahhal Y. (2014) Bioremediation of Diuron in Soil and by Cyanobacterial Mat. American Journal of Plant Sciences, 2014, Vol. 5, No 8, 1081-1089.)</p> <p>2. The objectives of this work should be clearly stated at the end of this section</p> <p>Materials and method section Soil samples should be identified by latitude and altitudes coordinates and should be described interns of meteorological, geological and agricultural characteristics.</p> <p>The physical properties of used engine oil should be reported. Add more details to: Cleveland Biotech Ltd, UK.</p> <p>Authors used sodium azide to kill the microbes in soil. Usually, this method is not common in soil, it is ok in liquid, it</p>	



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	<p>is recommended to use Autoclave to kill microbes in soil. Accordingly authors should support their work by reference.</p> <p>Line 97 it is not clear the sampling dates. It seems that the authors do not have control negative (sterile soil+oil-Bacteria) Section 2.4 should include references although the methods are true Section 2.4 contains Table 2 but this should be Table 1. However, the Table should be moved to Results and discussion section. Moreover, ECEC line 123 should be corrected to CEC (cation exchange capacity)</p> <p>Section 2.5, line 139, CFU should be in full. Moreover, what was the initial concentration of added cells? Counting cell is not fully described in this section.</p> <p>Section 2.6 does not contain plank oil recovery</p> <p>Section 3.1. It is better to arrange the data in Table instead of text. Moreover, Fig 3 should be renamed to fig 1 and consequently other figs. It is recommended to change color to be able to distinguish the differences among treatment. Moreover, error bar should be presented in +/- so that it appears up and down in each column. The same comment for figure 4.</p> <p>Fig 5, the regression equation should be summarized and</p>	
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	<p>presented in table so that it would be better to understand it. It is recommended to refer to soils as S1, S2, and S3 as mentioned in the methodology, moreover, in the discussion and refer to the clay content to explain the results and include supporting references</p> <p>Table 4, T1-T4, should be fully described in the methodology section.</p> <p>More elaboration in statistical analysis in the text is required</p> <p>Reference section should include updated reference year 2013-2014.</p> <p>All cited reference should be written in the same style.</p> <p>Moreover, lines 434-436, Stotzky and Norman (1961,a,b) each needs paper title</p>	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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