



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Advances in Microbiology</a>
Manuscript Number:	Ms_JAMB_50497
Title of the Manuscript:	ASSESSMENT OF THE MICROBIAL BIOMASS CARBON (MB-C), NITROGEN (MB-N) AND PHOSPHORUS (MB-P) IN SOIL SPIKED WITH PESTICIDES (CARBOFURAN AND PARAQUAT)
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>)

**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)
<b>Compulsory</b> REVISION comments	<ol style="list-style-type: none"> <li>The abstract should not have subtitles and write it in single paragraph with only aim, methods and results must be included.</li> <li>The sentence "High incidence of pesticide misuse and unprecedented level of pesticides related accidents and their attendant consequences on the people's health have become issues of great concern" has no proper meaning. Please justify</li> <li>please restrict introduction to 1 or 2 pages and remove irrelevant matter on soil quality.</li> <li>The results showed good effect on microbial count of all parameters ? how can be possible ? justify your statements using proper discussion of past reviews.</li> </ol>	<ol style="list-style-type: none"> <li>Corrections have been effected.</li> <li>The sentence has been recapped; "Increased rates of pesticide misuse and resultant consequences on public health have become issues of great concern".</li> <li>Done.</li> <li>First of all, microbial count is a parameter or index for checking soil health. So, your statement "showed good effect on microbial count of all parameters?" is not proper.</li> </ol> <p>Secondly, it was clearly stated in my discussion that "there was a general decrease in total heterotrophic aerobic bacteria, actinomycetes fungi, phosphate solubilizers as well as nitrifiers counts in different pesticides treated soil at day 7 followed by a gradual increase as the days progressed. The rise in microbial counts in pesticides treated soil may be due to their ability to metabolize these pesticides as energy source. However, the initial decreases in microbial counts in the pesticide-treated soils may be attributed to the cidal or lethal effects of these stressors on microbial populations that were tolerant of the pesticides. Also, the decline in microbial counts observed at day 28 in the pesticide-treated soils could be as a result of depletion of nutrients necessary for microbial metabolism, which is typical of a "batch culture" or "closed system".</p> <p>Past reviews have been included.</p>
<b>Minor</b> REVISION comments	<ol style="list-style-type: none"> <li>In the sentence "pose as agents of diseases to root and cereal crops, fibres, fruits, vegetables, stored grains and livestock". It is not required to add word "<b>and</b>" in between root and cereals.</li> <li>In material and methods it is written "kilograms (3kg) of unpolluted soil were</li> </ol>	<ol style="list-style-type: none"> <li>Correction has been effected.</li> <li>L here means litres. "pots" referred to in this manuscript means 5L containers and containers can be measured in litres.</li> </ol>



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	weighed in 5L pots". What is L here ? how can plots measured in liters?	
<b>Optional/General</b> comments	<ol style="list-style-type: none"> <li>1. In the sentence "These pests reduce the crops and livestock yields to the level that is uneconomical to the farmers". Livestock productivity is not measured in yield. Please justify.</li> <li>2. In the sentence "Paraquat is known to act on the Photosystem I" is it photosystem one or i please justify it.</li> </ol>	<ol style="list-style-type: none"> <li>1. The sentence has been recast thus; "these pests reduce the crops yield and livestock productivity".</li> </ol> <p>It is photosystem one but the standard way of writing it is photosystem I.</p>

**PART 2:**

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