



SDI Review Form 1.6

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_43167
Title of the Manuscript:	COMPARATIVE STUDY OF THE ALKYL SULPHATASE ACTIVITIES OF BACTERIA FOUND IN SOIL CONTAMINATED WITH DETERGENT IN ONDO STATE, NIGERIA
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)
Compulsory REVISION comments	<p>1. What type of detergent was used in the work? Be specific in the type of detergent used. Let it be reflected in all the places you mentioned detergent including your title.</p> <p>2. "Aim should be used and not "aims" as used in your abstract.</p> <p>3. The work only reflected SDS utilization and not degradation; your methodology did not show any where SDS was degraded. Your organisms were probably utilizing the SDS and not degrading it.</p> <p>4. The last paragraph in introduction, line 50-52, was not reflected in the work.</p> <p>5. Line 56, How many soil samples were collected, from how many carwash parks? Indicate in your work.</p> <p>6. Line 62, what is the composition of the minimal salt medium used? It is a broth or an agar medium? What is the concentration of SDS supplemented?</p> <p>7. Line 65, List the biochemical tests conducted.</p> <p>8. How did you determine the alkylsulphatase activity? How did you measure the quantity of enzyme produced? How did you quantify biodegrading potential of the isolates?</p>	<p>Okay, it will be looked into****</p> <p>This will be corrected.</p> <p>The main focus of the research is on the comparative study of the alkylsulphatase enzyme production/ activity of the isolates; which makes them suitable candidates for detergent degradation. Increase in optical density which was an index of growth indicating SDS degradation was measured along side with enzyme activity as presented in the results. It will be included in the methodology.</p> <p>The biodegrading capabilities of the isolates were assessed based on their ability to produce a profound alkylsulphatase enzyme activity required for biodegradation of detergent.</p> <p>This will be included.</p> <p>This will be included.</p> <p>The biochemical tests conducted will be listed.</p> <p>Methylene blue active substance assay was used to determine the alkylsulphatase activity and measure the quantity of enzyme produced.</p> <p>Enzyme activity was assayed from the rates of SDS elimination. The biodegrading potentials of the isolates were quantified based on the degree of the enzyme activity produced by each isolates.</p>
Minor REVISION comments	The results are not properly discussed.	Okay, it will be looked into.
Optional/General comments		