



SDI Review Form 1.6

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_34158
Title of the Manuscript:	ISOLATION AND IDENTIFICATION OF SOME HYDROCARBON UTILIZING BACTERIA ISOLATED FROM CONTAMINATED SOIL IN ZUMA, BWARI AREA COUNCIL, FCT, ABUJA, 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)
<u>Compulsory</u> REVISION comments	These are few common sentences must be added The ability to degrade petroleum hydrocarbons is not restricted to a few microbial genera; a diverse group of bacteria and fungi have been shown to have this ability. The most important (based on frequency of isolation) genera of hydrocarbon utilizers in environments were Pseudomons spp. 21.43%, Bacillus spp. 21.43%, Acinetobacter spp. 7.14%, Corynebacterium spp. 7.14%, Staphylococci spp. 7.14%, Citobacter spp. 14.29%, Aeromonas spp. 14.29%, Flavobacterium spp. 7.14%. The below sentence in the abstract should be delete completely Biochemical characterization showed the isolates identified and their prevalence to be Pseudomons spp. 21.43%, Bacillus spp. 21.43%, Acinetobacter spp. 7.14%, Corynebacterium spp. 7.14%, Staphylococci spp. 7.14%, Citobacter spp.14.29%, Aeromonas spp. 14.29%, and Flavobacterium spp. 7.14%. Add this paragraph into your introduction: International Journal of Chemistry; Vol. 5, No. 4; 2013, "Polycyclic Aromatic Hydrocarbons Degradation Techniques: A Review". Luke N. Ukiwe, Ubazue U. Egereonu, Pascal C. Njoku, Christopher I. A. Nwoko & Jude I. Allinor. "A critical over-view of several degradation techniques has been presented in this review. These techniques include; chemical degradation, biodegradation, phytodegradation as well as combined degradation methods. Other developing degradation methods that has gained wide public acceptance include; solar ultraviolet radiation, direct photolysis and ultrasound frequency degradation. However, sonochemical degradation, photocatalytic degradation as well as current density	



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	enhanced degradation is novel approaches that have been tested successfully for the compound's removal". Kindly delete the following sentence "physical and chemical methods like volatilization, photooxidation, chemical oxidation, and bioaccumulation (Zhao et al., 2008)". Add this paragraph into your introduction: Ronald M. Atlas, 1982. "Assessment of Potential Interactions of Microorganisms and Pollutants Resulting from Petroleum Development on The Outer Continental Shelf of Alaska" Secondly, attention has been focused on marine environments factors which influence since the world's oceans are the largest and ultimate receptors of hydrocarbon pollutants. Most previous reviews concerning the microbiology of petroleum pollutants have been concerned with the marine environment. This field expands the scope to include consideration of the fate of petroleum hydrocarbons in freshwater and soil ecosystems. Kindly delete the following sentence "secondly, the ability to utilize hydrocarbons is distributed among a diverse microbial population. This population occurs in natural ecosystems and either independently or in combination metabolizes various hydrocarbons". Pages 3, 4 and 8 lines 68, 70, 81, 133, 143, 145 and 148: put a space after saturated, 30° C, source, ml, 2006, spp and 2006, respectively. Kindly correct your series again for example the first table took a number 2-1 despite of result and discussion took number 3	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

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