



**SDI Review Form 1.6**

Journal Name:	<a href="#">Advances in Research</a>
Manuscript Number:	2014_AIR_11933
Title of the Manuscript:	<b>Potentials for Bio surfactant Enhanced Bioremediation of Hydrocarbon Contaminated Soil and Water – a Review</b>
Type of the Article	<b>Review Article</b>

**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**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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><u>Compulsory</u></b> REVISION comments	<p><b>The review is poorly presented. Specific areas that need to be addressed are as follows:</b></p> <p><b>1. Introduction</b></p> <p>a. Line 20-32: This section does not present the background of your study you present first the mass transfer by disregarding the biosurfactants or the bioremediation. You must start the introduction by the presentation of the importance of the bioremediation and the problem of HOC contamination.</p> <p>b. Line 70-73: Lack of logical flow of ideas makes it difficult to decipher meaning of the Introduction, in addition absence of problematic.</p> <p>c. <b>Poor wording and lack of logical flow of ideas makes it difficult to decipher meaning</b> of the introduction, you must present a direct link between paragraphs.</p>	<p>Definition and importance of bioremediation and bio surfactants Page 2 line 20-64</p> <p>This paragraph has been rephrased</p> <p>This has been addressed</p>



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	<p>d. In a general manner the introduction must be restructured.</p> <p><b>2. Classification and Properties of Bio surfactants</b></p> <p>Line 107-116: The description of the Classification and Properties of Bio surfactants is confusing , this needs clarification and more references. The meaning of certain sentence is unclear and the classification and properties are very minimal.</p> <p><b>3. Role of Bio surfactants in Biodegradation Processes</b></p> <p>Bio surfactants are surface active compounds produced by many microorganisms. They reduce surface and interfacial tension by accumulating at the interface of immiscible fluids and thus increase the solubility, bioavailability and subsequent biodegradation of the hydrophobic or insoluble organic compounds but in your article any presentation is exposed.</p> <p>A. The entire section needs thorough proofreading of references.</p> <p>B. Absence of Bio surfactant classification and role, despite that this review concerns the potentials of biosurfactants.</p> <p><b>4. Bio surfactant Enhanced Remediation of</b></p>	
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	<p><b>Hydrophobic Substances in Soil</b></p> <p>The meaning of this section is unclear and poorly presented</p> <p><b>5. Conclusion</b></p> <p>The conclusion is very minimal and lack of logical flow of ideas makes it difficult to decipher meaning</p>	
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<b><u>Minor</u></b> REVISION comments		
<b><u>Optional/General</u></b> comments	<p><b>I have two major concerns with the research reported in this paper:</b></p> <p>The findings are not novel. There have been dozens of reports of biosurfactants use. There may very well be an interesting story in the research but it is not apparent in the article.</p> <ul style="list-style-type: none"><li>▪ For example, the presentation of biosurfactants was confused and poorly presented? What is the biosurfactants new apparent in the article ? Addressing these questions may highlight a novel aspect of the research.</li></ul>	Use of bio surfactants in food, cosmetics and enhanced oil recovery.