



SDI Review Form 1.6

Journal Name:	Advances in Research
Manuscript Number:	2014_AIR_11933
Title of the Manuscript:	Potentials for Bio surfactant Enhanced Bioremediation of Hydrocarbon Contaminated Soil and Water – a Review
Type of the Article	Review 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	<p>Page 6, line 172: Give examples of the tested hydrocarbons in this study.</p> <p>Page 7, line 198: What about other types of biosurfactants? More details are needed to better understand the role of biosurfactants in the remediation of HOCs.</p> <p>Page 7, line 203-205: Which biosurfatant is used in this study and its CMC? and the washing process was conducted to remove which hydrophobic substance?</p> <p>Page 7, line 191: Add reference</p> <p>Page 8, line 214: Cleaning efficiency of what? Please indicate the target compounds in this experiment.</p> <p>Page 8, line 216-218: What type of biosurfactant is used in this study indicating the corresponding</p>	<p>PAH Polycyclic aromatic Hydrocarbon Line 304-309, DCP 2,4- Dichlorophenol PCP Pentachlorophenol PHPA Hydrolyzed Polyacrylamide HCB Hexachlorobenzene Line 311-314</p> <p>Sophololipids and the CMC was 10%</p> <p>Reference [7]</p> <p>Target compounds dense organic pollutants</p> <p>Sophololipids and the CMC was 10% on line 202-203</p>



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	<p>CMC.</p> <p>Page 8, line 219-220: Explain?</p> <p>Page 8: What is the role of sorption of biosurfactants in the remediation process (soil washing) of HOCs? Does sorption can reduce the removal efficiency? Please discuss.</p>	<p>Statement has been replaced with explanation</p>
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<u>Minor</u> REVISION comments	<p>Page 5, line 133: Efficiency of <i>a given</i> surfactant (add a given) before surfactant</p> <p>Page 7, line 199, Add comma after 10 and replace "critical micelle concentration" by CMC</p> <p>Page 7, line 179 : Start the sentence with "This" instead of And</p> <p>Page 7, line 180 : Write CMC instead of critical micelle concentration</p>	<p>Done</p> <p>Done</p> <p>Done</p> <p>Done</p>
<u>Optional/General</u> comments		