



SDI Review Form 1.6

Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_12318
Title of the Manuscript:	SUSTAINABLE UTILIZATION OF RICE HUSK ACTIVATED CHARCOAL THROUGH PHYTOREMEDIATION

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>-Quantification of temperature changes is irrelevant. It is possible that adiabatic conditions were not met in experiments, and furthermore it is not clear the transport and generation/consumption of heat.</p> <p>-It is important to characterize the RAC, what is the mass of RAC used in experiments? Surface area? Porosity? What is the size of columns? the flow rate? The residence time? These parameters are important to scale-up the purification process at engineer level.</p> <p>-Add an analysis of adsorption kinetics (batch experiments). This will clarify, in part, the type of adsorption mechanisms that solutes follow on RAC.</p>	<p>Temperature quantification might be irrelevant but emphasis was made to it because there was significant difference between the values obtained from untreated effluent and filtrate that passed through RAC.</p> <p>Characterization of RAC was done. There was already an article sent for publication on that in another Journal awaiting publication.</p> <p>Adsorption kinetic of RAC was not carried out. Its purification potential was tested</p>
<u>Minor</u> REVISION comments	<p>-Review the manuscript, there are several writing and grammatical errors.</p> <p>-Add a picture-scheme showing the experimental set.</p>	<p>The manuscript has been reviewed and the errors discovered been corrected.</p> <p>The trial was conducted close to 3yrs now.</p>
<u>Optional/General</u> comments	<p>-Add pictures of untreated and treated effluents.</p> <p>-It is interesting the main issue of manuscript, cheaper and nature-friendly materials are welcome to clean up our environment.</p> <p>-Introduction and literature review is good and sufficient.</p>	<p>The trial was conducted close to 3yrs now.</p> <p>Thanks</p>