



SDI Review Form 1.6

PART 1:

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2012 IRJPAC 2713
Title of the Manuscript:	ARSENIC REMOVAL FROM REAL-LIFE GROUNDWATER BY ADSORPTION ON NEEMBARK (<i>Azadirachta indica</i>)

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



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PART 2: 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	The manuscript describes the adsorption characteristics of arsenic on Neem bark with a particle size of 0.595 mm. There are no microscope images; column washing images in the manuscript. Besides, the main mechanism involved is not supported by the IR, UV studies. There is no mention about the number of cycles the neem bark can undergo and how to reuse the neem bark after saturation occurs. These aspects are essential to increase the scope of the manuscript. Besides, the comparison with Fe ₃ O ₄ /activated carbon- or graphene or graphene nanoplatelets and Iron oxide-sand should be done. With these suggested changes, the manuscript may be reviewed again.	# Particle sizes were done by mesh. We have no microscopic image device and also no IR, UV studies facilities in our laboratory. Neem bark is very low cost natural adsorbent and available waste material in Bangladesh. The comparisons with other kinds of adsorbents were already shown in the text, as you suggested.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		