



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2015_IRJPAC_16207
Title of the Manuscript:	SOLID-PHASE EXTRACTION OF 4-NITROPHENOL FROM AQUEOUS SOLUTION BY BRACHYSTEGIA EURYCOMA SEED HULLS
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)
Compulsory REVISION comments	1. It is appreciating that the authors have given valuable information on the adsorptive characteristics 2. The information provided in the paper may be useful to others and is therefore of value, but there are many recommendation need to be done. Comments: 1. I did not see any equations on your manuscript, like % removal, qe, Freundlich and Longmuir equation (which type you have used) 2. There was no standard deviation on this study 3. Be consist with all abbreviations have you used like mgL^{-1} or mg/L and for litter (l or L) 4. Be consist with capital and small letter like CONCLUSION and RECOMMENDATIONS 5. BET Surface area was not measured. 6. The functional groups which were responsible for adsorption was not evaluated, you can use FT-IR. 7. The effect of pH on the adsorption and chemistry of 4-NPN	1. Points 3 and 4 raised have been noted and corrected. 2. Equation for the % removal in line 77, Explanation of legend with standard deviations in lines 144,152,156,167 and 169 3. All important observations made by the reviewer have been noted also by the author and corrections effected



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	was not well discussed. 8. You should have used q_e rather than using %removal for the adsorption study 9. R^2 values were below 0.95 which you cannot confirm the isotherm behavior.	
<u>Minor</u> REVISION comments	Line 6-8: the pH was used in this study 12, therefore, is not environmental factors. In line 7 change your statement Line 97: what does G mean? Line 114: you wrote Adsorption Isotherm Data for Langmuir Model but the figure was for Freundlich isotherm?? You have insert Langmuir plot. Line 121: you wrote half line by bold ... Line 124: you did not discussed the XRD results Line 138: (C6 H10 O5)n change it to (C₆H₁₀O₅)n Line 125: write the title of XRD figure Line 117: there is no need to write how to calculate the slope. Just write on the figure with the equation Line 145: 2mg/L, 4mg/L, 6mg/L, 8mg/L and 10mg/L. change it to 2, 4, 6, 8 and 10mg/L Line 147: mg/l change to mg/L	
<u>Optional/General</u> comments	1. Figures were done using excel which were not clear plots, therefore you can use to redraw with sigma plot	