



SDI Review Form 1.6

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_48567
Title of the Manuscript:	ADSORPTION OF Cr6+ ONTO UNMODIFIED AND HYDROCHLORIC ACID MODIFIED AFRICAN NUTMEG POD (MONODORA MYRISTICA) FROM AQUEOUS SOLUTION
Type of the Article	Original Research Paper

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>)



SDI Review Form 1.6

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	<ol style="list-style-type: none"> 1. Authors should have included line number in the manuscript for ease of feedback 2. introduction. Sentence: "Chromium is stable and non-toxic." Do you mean Chromium(III)? 3. Introduction is shallow. Authors should mention more about how nutmeg can be attractive as adsorbent. How HCl modified may be useful Was nutmeg pod ever reported and investigated for other kind of contaminants? 4. Cr6+ or Cr(VI)? Be consistent and only use one throughout. 5. choose either adsorption or biosorption. Biosorbent or adsorbent. Don't use both. Consistently use one. 6. How was the sample shaken? Orbital shaker? 7. Avoid beginning a sentence with number 8. Batch adsorption procedure should be written more concisely without need to repeat again and again for effect of pH, concentration 9. How was the filtrate filtered? Filter paper? 10. Were the adsorbents characterised at all? SEM, FTIR? 11. Rules of abbreviation. UANP and MANP. Authors only need to define it one time in the main text body and then use only the abbreviated term throughout. There is no need to redefined "UANP MANP" everytime the terms are brough up. Otherwise it is a duplication of effort. However abbreviation used in the abstract need to be redefined at first use in the main textbody. 12. Please check the table format as required by the journal. Authors probably need to include some lines 13. Figure 1 include the unit for particle size in x-axis 14. Effect of pH explanation seem lacking. Was the pH point of zero charge (pHpzc) analysed? pHpzc will be useful especially in the explanation of the effect of pH section and are relatively easy to do. 15. Table 2. The table description/legend should be informative. Please include the initial concentration of the Cr6+ in the table 2 description. Authors also need to include one more row on the top to label which column belong to which adsorbent. Do the same for all the tables. 16. Include initial concentration in all the figure and table caption. 17. Are the experiment carried out in duplicate? If so, please include the error bar in the figures. 18. Please follow figure format as require by the journal. Fig 4 is messy. Generally title is not allow inside a figure. Information should at best put in the figure caption 19. Freundlich. There is no need for the non linear equation of Freundlich model. Just include the linear model will be sufficient and delete all the unnecessary description of Freundlich. Only include those that are essential. 20. The unit of KF need to be included in the next. 21. How is fitting of data into Freundlich model indicate physiosorption? 22. Fig 4 and 5 should be deleted as data are summarised in Table 4 23. Freundlich model should be cited to the original author. Freundlich, H. M. F. (1906). Over the adsorption in solution. Journal of Physical Chemistry. 57, 385-471 24. Where is Langmuir isotherm model? Dubinin-Radushkevich model? 25. Where is the kinetics studies? 26. Authors should compare finding (removal efficiency of nutmeg pod) with 	<p>10. NO</p> <p>17. NO</p> <p>21. Fitting into Freundlich model is based on the n values according to Anusiem et al., 2010 and R² values.</p> <p>24. Langmuir and Dubunin Radushkevich isotherms parameters and R² obtained from their plots indicate non-suitability of the isotherms, that is why they were not featured.</p> <p>25. Contact time was not among the parameters considered for this study.</p>



SDI Review Form 1.6

	those published in literature.	
Minor REVISION comments	Please recheck English. Manuscript has too many spelling errors TYPO: abstract optimum experimental data were examined examined	
Optional/General comments	Authors uses nutmeg pod as adsorbent for removal of cr6+. Authors also included a chemically modified nutmeg pod using HCl as modifying agent. Adsorption work here is much less than most standard adsorption studies. There is no kinetics studies which are essential in adsorption work and the explanation in the effect of pH section seem lacking.	

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	