



**SDI Review Form 1.6**

|                          |                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">International Research Journal of Pure and Applied Chemistry</a>                                                                    |
| Manuscript Number:       | 2013_IRJPAC_5765                                                                                                                                |
| Title of the Manuscript: | Comparative Studies of isotherm and kinetics on the Adsorption of Cr(VI) and Ni (II) from Aqueous Solutions by Powder of Mosambi Fruit Peelings |
| Type of the Article      | 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)                                                                                                                                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Minor</b> REVISION comments | <p>This study focuses on the use of powder of Mosambi fruit peelings (PMFP) as an inexpensive and efficient adsorbent to remove Cr(VI) and Ni (II) from aqueous solutions. The influence of physico-chemical key parameters such as the initial metal ion concentration, pH, agitation time, particle size and adsorbent dosage has been considered in batch tests. Sorbent ability to adsorb Cr(VI) and Ni (II) ions were examined and the mechanism involved in the process was investigated. Overall, it is good paper with many experimental findings. Some comments which ALL should taken into account are given below:</p> <ol style="list-style-type: none"> <li>1. The Figures 1 and 2 should be merged in one Figure with two curves.</li> <li>2. Lines 70-71: Authors should refer more recent (update) literature for similar adsorbents [i.e. Commercial coffee wastes as materials for adsorption of heavy metals from aqueous solutions, Materials 5 (2012) 1826-1840]</li> <li>3. Authors should check the units (Table 3) for "qe-q"</li> <li>4. Table 5 should be deleted and describe it in the text.</li> <li>5. Figures 10 and 11 should be resized (they are not readable)</li> <li>6. Figure 14 should resized (to be more big)</li> </ol> | <p>1. <b>FOR CAPARATIVE STUDY The Figures 1 and 2 should not be merged.</b></p> <p>2. <b>Commercial coffee wastes as materials for adsorption of heavy metals from aqueous solutions, Materials 5 (2012) 1826-1840]-reference added</b></p> <p>3. <b>(mgL<sup>-1</sup>). units added [ but no need]</b></p> <p>4<b>Table form is also APPLICABLE - NO NEED OF CHANGE</b></p> <p>5. <b>Figures 10 and 11 resized</b></p> <p>6 <b>Figure 14 resized</b></p> |