



**SDI Review Form 1.6**

Journal Name:	<a href="#">Chemical Science International Journal</a>
Manuscript Number:	<b>Ms_CSIJ_41304</b>
Title of the Manuscript:	<b>CORROSION INHIBITION AND ADSORPTION CHARACTERISTICS OF MYRIANTHUS arboreus LEAVES EXTRACT ON COPPER IN SULPHURIC ACID SOLUTION.</b>
Type of the 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)
<b>Compulsory</b> REVISION comments	<p>The manuscript contains many question marks, and so the authors must give answer for it:</p> <p><b>1- The concentration of the extract is given in molar. How you can define this for the extract which contains many chemical compounds not one definite compound?</b></p> <p><b>2-</b> Lines 183-186 and 207-209: Revise this paragraph and explain why corrosion decrease (in the presence of extract) as the temperature increases. Is this due to chemical adsorption of extract on the Cu surface? How the adsorption is physically as the authors presented and in the same time increase with temperature?</p> <p>3- Weight loss is a method not technique, change must done.</p> <p>4- Figures 3 and 4 must be deleted where their data and their indications are shown in Figure 2.</p> <p>Then the subtitle <b>3.2 Effect of extract concentration on Inhibition efficiency</b> must be changed to include the effect of Temp. as follow:</p> <p><b>3.2 Effect of extract concentration and temperature on the Inhibition efficiency</b> Then delete subtitles 3.3 and 3.4.</p> <p>5- The rate constant value can be determined directly from the slope of the lines in Figure 5., and not need other calculations.</p> <p>6- L 297-298: How are the <math>\Delta H</math> values are positive in the presence of extract where the results in table 2 indicate that the corrosion rate constant decrease as the temp. increase</p>	<p>1. The molar concentration was not determined, the extract was prepared in g/l as indicated in line 87. (it was just an oversight).</p> <p>2. Increase in percentage inhibition efficiency lead to decrease in corrosion rate. This may be attributed to a change in adsorption type from physical to chemical as temperature is increased (Atkins 2006).</p> <p>3.Method.</p> <p>4. Figures 3 and 4 have been deleted</p> <p><b>3.2,</b> has been corrected Subtitle 3.3 and 3.4 have been deleted</p> <p>5. Rate constant was determined as directed.</p>
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		