



**SDI Review Form 1.6**

Journal Name:	<a href="#">Asian Journal of Chemical Sciences</a>
Manuscript Number:	Ms_AJOCS_36886
Title of the Manuscript:	Treatments of Recycled Pulps from Old Corrugated Containers. Part II. The Effects of Boron Compounds on Strength Properties
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>)

**PART 1: Review Comments**

	<b>Reviewer's comment</b>	<b>Author's comment</b> (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)
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<p><b>Compulsory</b> REVISION comments</p>	<ol style="list-style-type: none"> <li>Abstract portion of the manuscript is not written properly, ( 1<sup>st</sup> paragraph is not required at all). 2<sup>nd</sup> paragraph should contain the main summary of the manuscript in 200 words.</li> <li>Introduction portion is very poor, seems has been written by immature hand. For enriching the introduction, some research papers on paper should add.  Example A. J. Chen et al, Cellulose ( strength of the paper after pyrolysis based printing) B. Basak et al, Cellulose ( Strength of the paper after treating with banana pseudostem sap) C. Basak et al. , Journal of Chemical Technology and Biotechnology ( strength of the paper after treating with green coconut shell extract and boric acid)</li> <li>Tear strength of the paper after boron based treatment should be mentioned everywhere in the manuscript.</li> <li>Presence of boron compounds on the paper surface should be proved by EDX/ FTIR analysis. One surface morphology (SEM) analysis can also be added if possible.</li> </ol>	<ol style="list-style-type: none"> <li>As reviewer suggested, first two sentence of first paragraph has been removed from text. First paragraph has also combined with second paragraph and moved to below.</li> <li>The following two new reference and their results summarized and added to relevant section in manuscript.  a) <b>Basak, S., Samanta, K., Saxena, S., et al. (2015).</b> Flame resistant cellulosic substrate using banana pseudostem sap. <i>Polish Journal of Chemical Technology</i>, 17(1), pp. 123-133.  It was proposed by Basak et al. (2015) that the cellulose fabrics treated with banana pseudostem sap (BPS) an plant extract, show stable natural colour, and there was no significant degradation in mechanical strengths with imparting flame retardancy to cellulose substrate.  b) <b>Basak, S., Patil, P.G., Shaikh, A.J. and Samantha, K.K. (2016).</b> Green coconut shell extract and boric acid: new formulation for making thermally stable cellulosic paper, 91 (11): 28711-2881.  In another study of Basak et al. (2016), they have utilized green coconut shell extract (GCSE), obtained by extraction of green coconut shell and employed along with boric acid (BA) as a fire retardant agent for cellulosic paper. The GCSE and 2% BA application was reported to be enhance flame resisting property to cellulose paper.  3. There was not conducted any tear strength tests. So I did not understand why I should mention tear strength of paper.  5. There was not conducted any EDX/ FTIR analysis and SEM.because we have not own these instruments in our institute.  I think this manuscript provided is scientifically robust and technically sound.</li> </ol>
<p><b>Minor</b> REVISION comments</p>	<p>No comments ( Major revision required)</p>	
<p><b>Optional/General</b> comments</p>		