



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	Ms_JMSRR_57717
Title of the Manuscript:	Optimization of Nanoclay Loading on the Thermo-Mechanical Behavior of Chemically Treated Jute Polyethylene Nanocomposites
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/journal/10/editorial-policy> )

**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		
<b>Minor</b> REVISION comments	<p>This is good work done by author. But there are some question and query which should be added in artical. These are as follows.</p> <ol style="list-style-type: none"> <li>1. In the abstract section author has mention the line. " FTIR and SEM were used to study surface characterization. But FTIR is not used for surface morphology. So why ???</li> <li>2. Why the author has taken this specific concentration show in table no 1.</li> <li>3.what is the size of MMT clay nano size.</li> <li>4.SEM images should be taken with higher resolution to show the interaction of MMT nanoclay with jute fibers and polyethylene polymer.</li> </ol>	<p><b>Respond to Reviewer Comments</b></p> <ol style="list-style-type: none"> <li>1) Already corrected in the revised manuscript.</li> <li>2) Athours have taken different wt% of Fiber &amp; PE for optimization of fiber loading. 2 wt% of nanoclay loading had been reported as optimized value. Thus, the authors have done like those concentration.</li> <li>3) The average particles size of MMT clay already mentioned "Experimental" section.</li> </ol> <p>SEM images have been taken at a magnification of 500x which is enough for the explanation.</p>
<b>Optional/General</b> comments	Manuscript may be accepted with minor revisions as shown above.	

**PART 2:**

	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>Are there ethical issues in this manuscript?</b>	(If yes, Kindly please write down the ethical issues here in details)	