



SDI Review Form 1.6

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_43628
Title of the Manuscript:	Recycling and exploitation of Construction and Demolition Wastes as additives in unsaturated polyester composite building and insulation materials; Mechanical and thermal properties Investigation
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>)



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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)
Compulsory REVISION comments	The abstract should be recast to reflect the core aim of the study and its conclusion/recommendation be re-written to be clearer. The Introduction Stage needs to improved upon considerably to capture other past studies, more numerous than few stated. These would provide more robust comparison before trying to create gaps that this study wanted to fill. The methodology section can be improved to show the place of source of the waste sources, and the set-up of the experiment can be presented in a better form. The discussion of finding can be improved by show relation of the results gotten with past studies' own, and the Conclusion and recommendation should be directional to the actual results gotten and the recommendations made. Editorial corrections are needed to be compliant by sourcing for English editor specialist.	<u>Abstract</u> was completely reformed according to what was recommended from the reviewer. Results of research have been concisely presented («<i>In particular...strength</i>», lines 9-18 of abstract section), («<i>Thermo-insulating...applications</i>», lines 19-23 of abstract section). The final conclusion of research has been clearly presented («<i>In conclusion....applications</i>», lines 24-26, of abstract section). <u>The introductory section</u> has been re-written following the reviewers comments. It was also enriched by the appropriate referencing of more (in number) related studies in order to designate the aim and novelty of this research in respect with past research results. <u>Methodology</u> section has been enriched and improved. Appropriate referencing citation was made for every separate sub-section of methodological analysis («<i>Weight...specimens</i>», lines 77-80 of manuscript), («<i>Flexural...respectively</i>», lines 81-86 of manuscript), («<i>Experimental...literature</i>», lines 100-114 of manuscript). <i>Illustration of 3-point bending testers and thermal conductivity apparatus have been included in the text Fig. 1 (line 87) and Fig.2 (line 115) Respectively.</i> <u>Production source of waste</u> has been specified («<i>produced...management</i>», lines 55-57of manuscript). <u>Results discussion</u> was enriched and reformed according to reviewer's recommendations. Brief description of what is presented in the diagrams is added in explanation of graphical representations («<i>Pure polyester.....respectively</i>», lines122-124 of manuscript) and («<i>As....columns</i>», lines146-149 of manuscript). The optimal performing loading scenario has been outlined («<i>Optimum...studied</i>», lines139-141), («<i>An enhancement.....examined</i>», lines158-160), Thermal analysis results were appropriately analyzed and presented («<i>Analytically...mechanical strength</i>», lines176-185) accompanied by the appropriate referencing. Typing errors in Table 1 were spotted and corrected (column 3: CDW (%w/w 30% changed to 40%). <u>Conclusion</u> section was re-written according to reviewer's commenting. («<i>Polyester....applications</i>», lines 192-199 of manuscript). <u>Editorial and typing errors</u> spotted in main manuscript and referencing list were corrected according to the template.
	Minor.	
Optional/General comments		