

## Review Form 1.7

Journal Name:	<b>Journal of Materials Science Research and Reviews</b>
Manuscript Number:	<b>Ms_JMSRR_119118</b>
Title of the Manuscript:	<b>Design and Investigation of the Impact of Ultraviolet Aging on the Mechanical Properties and Durability of PLA Lattice Structures</b>
Type of the Article	<b>Original Research Article</b>

### 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)
<p><b>Compulsory REVISION</b> comments</p> <ol style="list-style-type: none"> <li><b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li><b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li><b>Is the abstract of the article comprehensive?</b></li> <li><b>Are subsections and structure of the manuscript appropriate?</b></li> <li><b>Do you think the manuscript is scientifically correct?</b></li> <li><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<ol style="list-style-type: none"> <li><b>Yes, 3Dprinting is a recent technology in which everything is feasible. The work that has been carried out is interesting and it will be useful for the scientific community.</b></li> <li><b>Yes, the title is suitable for the article.</b></li> <li><b>Yes, the abstract is comprehensive for this article.</b></li> <li><b>Yes</b></li> <li><b>It is Scientifically correct.</b></li> <li><b>Yes.</b></li> </ol>	
<p><b>Minor REVISION</b> comments</p> <ol style="list-style-type: none"> <li><b>Is language/English quality of the article suitable for scholarly communications?</b></li> </ol>	<p>The Language and the quality of the article is suitable for the Publications. But need to add the more explanations and justification in results and discussions.</p>	
<p><b>Optional/General</b> comments</p>	<p>Need to add micro structure studies and to explain the reason the improved Compression strength and Youngs modulus in in technical aspects.</p> <p><b>In Results and Analysis, only the explanations for the Graphs had been done. Need more explanations and justification for the results for Engineering and Materials Science point of view. And it is important to compare with some work which is related to lattice structures in 3D printing.</b></p>	

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**PART 2:**

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

**Reviewer Details:**

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