



SDI Review Form 1.6

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_45454
Title of the Manuscript:	EFFECT OF COMPOSITION VARIATION ON THE TENSILE STRENGTH OF POLYLACTIC ACID REINFORCED WITH NATURAL POLYMERS FOR BIODEGRADABLE BIOMEDICAL IMPLANTS
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

	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	1. The titles need spelling check. 2. In table 1, how to choose the composition of polymer? 3. At line 139-144, authors state that "it can see the composition with PLA: STARCH ratio of 98:2 having a tensile strength of 16Mpa and a tensile modulus of 758.401 MPa and a percentage elongation of 2.1%, this indicates that the composite is more flexible and still maintains its strength to a great extent compared to the neat PLA having a tensile modulus of 986.9 Mpa. And a percentage elongation of 2.5%. <u>This gives this composite a fairly large amount of applications as a biomedical material.</u>" Can authors give some explanation about this statement? 4. Table 2 need more discussion about the influence of composition on mechanical property. 5. Authors should give more science evidence about the mechanical property. Such as SEM, TEM and XRD analysis. 6. At line 174-176, authors state that "The conclusion of the results is that for the tensile strength, the percentage composition of starch has a significant effect on the maximum tensile stress the material can withstand than chitosan." Authors should give some SCIENCE evidence about this statement, not just by using statistical analysis.	
Minor REVISION comments	No comments	
Optional/General comments	It is a prepared manuscript about effect of composition variation on the tensile strength of polylactic acid reinforced with natural polymers for biodegradable biomedical implants. However, the results need more science evidence and discussion.	

PART 2:



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

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