



**SDI Review Form 1.6**

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	<b>Ms_JMSRR_51451</b>
Title of the Manuscript:	<b>Acoustic Properties of Gmelina arborea Wood</b>
Type of the Article	<b>Original Research Article</b>

**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)
<b>Compulsory</b> REVISION comments 1.	<p>1. The wood grain has impact on the natural frequency, as reported by a recent measurement work "Qiu, Qiwen, and Denvi Lau. "Grain effect on the accuracy of defect detection in wood structure by using acoustic-laser technique." Nondestructive Characterization and Monitoring of Advanced Materials, Aerospace, Civil Infrastructure, and Transportation XIII. Vol. 10971. International Society for Optics and Photonics, 2019." Please mention this literature in the manuscript and consider the effect of wood grain in further study.</p> <p>2. In the longitudinal vibration method, how to obtain the 1st bending natural frequency (fundamental frequency)?</p> <p>3. There is a need to give the measured graph of amplitude decrement of the first mode of vibration through time.</p> <p>4. It is suggested to compare the longitudinal vibration method with other NDT methods, like ultrasonic testing method.</p>	
<b>Minor</b> REVISION comments		
<b>Optional/General</b> comments		

**PART 2:**

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



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