



**SDI Review Form 1.6**

Journal Name:	<a href="#">Annual Research &amp; Review in Biology</a>
Manuscript Number:	Ms_ARRB_54514
Title of the Manuscript:	DETERMINATION OF SWELLING AND DIMENSIONAL STABILITY OF SOME NIGERIAN TIMBER SPECIES
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**

	<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)
<p><b>Compulsory</b> REVISION comments</p>	<p>DETERMINATION OF SWELLING AND DIMENSIONAL STABILITY OF SOME NIGERIAN TIMBER SPECIES</p> <p>Experimental: "Fifteen pieces of fresh specimens with a longitudinal dimension of 10cm and a radial dimension of 3 cm were cut from representative pieces of five timbers species."</p> <p>--First, the tangential swelling and shrinking is almost twice the radial so I wonder why they measured radial? Second, the annual rings must be parallel to the face or the sample goes out of square and the measurement will not be accurate. I suggest they go back and measure the tangential changes.</p> <p>"The different specimens were then soaked in tap-water for a duration of 12 hrs in which the weight after soaking was measured at a 2hr interval."</p> <p>--Was the water allowed to drip off the sample or was excess water wiped off the sample. Need to describe this procedure.</p> <p>Moisture content before soaking (%) = (Fresh Weight -Ovendry weight)/(Ovendry weight) x100 [19].</p> <p>--It is state that the samples were dried at 105 C for 18 hours so the samples are dry. I do not understand this equation.</p> <p>All of the equations for changes in sample weight are well known and do not need space to repeat them.</p> <p>In Table 1, Antiaris toxicaria 47.65 ± 4.38a      75.52 ± 3.02a    84.89 ± 2.82a    93.77 ± 2.57a    62.69 ± 3.19a    55.28 ± 2.95a The sample started to shrink at 10 hrs?? Why? The same with Gmelina aborea?</p> <p>Table 1 has no meaning to the furniture industry. It is the swelling that is important. Table 1 can be eliminated.</p> <p>They talk about "the distortion in the dimension" What does this mean? Did the sample go out of square? If so, the measurement is useless. What is the difference between swelling and distortion?</p> <p>Tables 2, 3 and 4 also show samples swelling and then shrinking after some hours. Why??</p> <p>I suggest that the table be taken out and replaced with figures then you can see the differences between the 5 different species more clearly. If this is published in color, each species can be a different color. If not in color, then use symbols for each species.</p>	



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<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>	

**Reviewer Details:**

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