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SDI Review Form 1.6

Journal Name:	**Physical Science International Journal**
Manuscript Number:	**Ms_PSIJ_44985**
Title of the Manuscript:	**Determination of reverberation time and sound pressure level of selected lecture halls in University of Agriculture, Makurdi-Benue State, Nigeria.**
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:

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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	Some important errors: 1. The equations are incorrect! Eg No. 1! It should be like this: Sound pressure level, denoted L_p and measured in dB, is defined by: $L_p = 20 \log_{10}\left(\frac{p}{p_0}\right) \text{ dB},$ *p is the root mean square sound pressure* p_0 is the *reference sound pressure*; The commonly used reference sound pressure in air is: $p_0 = 20\ \mu\text{Pa},$ 2. Equation number 2: It should be: $L_{eq} = 10 \log\left[\frac{1}{t_2 - t_1}\int_{t_1}^{t_2} \frac{{p_A}^2}{{p_0}^2} dt\right]$ ▪ L_{eq} *= equivalent continuous sound pressure level in dB* ▪ p_0 *= reference pressure level (typically 20 μPa)* ▪ p_A *= acquired sound pressure* ▪ t_1 *= start time for measurement* ▪ t_2 *= end time for measurement* 3. Equation 3: It should be like this: $T_{60} = \frac{0{,}161 \cdot V}{A}$ *where: V – is room volume [m^3], A – is acoustic absorption of the room.* 4. The meaning of the elements of the equation of their transformation can not be described. It should be like this: $\alpha = I_a / I_i$ *where:* *α = sound absorption coefficient*	

	I_a = *sound intensity absorbed (W/m^2)* I_i = *incident sound intensity (W/m^2)* 5. You can not combine the results obtained for different rooms (Figure 1) In Fig. 2. Are the levels equivalent or sound pressure levels? You can not combine results for different rooms! Do not average the value in decibels! This is a big mistake! You can not evaluate logarithmic values with Gauss statistics (average and standard deviation!)	
Minor REVISION comments		
Optional/General comments		

PART 2:

	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)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

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