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Journal Name:	**Asian Journal of Environment & Ecology**
Manuscript Number:	**Ms_AJEE_48055**
Title of the Manuscript:	**Investigation of Carbon Dioxide Variations over Some Selected Points in Nigeria Using Neural Network Model**
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	**1. Where is the Figure 3? Please fix the Figure numbers.** **2. Please expand the discussion on Figure 4, I see several points, such as 10, 17 and 19 also yield low standard deviation. Do the results from these points provide results that are statistically significantly different compared to 13?** **3. In the conclusion, the authors discussed the possible correlation between CO2 emission and rainfall. Please provide the reference or the data for the rainfall in the relevant regions.** **4. Also, please provide the references for the mechanism how rainfall can wash away CO2; or alternatively, as my personal hypothesis, it also might be possible that the rainfall promotes flora growth in the region which increase the consumption of the CO2.**	
Minor REVISION comments	**The Nigeria geographical information in the experimental section should be moved to introduction. The authors should also provide why the geographical information is relevant to this research.**	
Optional/General comments	**How does this model match with CO2 emission on later years, e.g. 2015 and onwards?** This manuscript used neuron network to establish a model that fits to the 36 observations in Nigeria. The research overall provided a potential method to better describe the CO2 emissions in Nigeria using limited data.	

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:

Name:	***Xueming Dong***
Department, University & Country	***National Renewable Energy Laboratory, USA***