Review Form 1.6

Journal Name:	**Journal of Engineering Research and Reports**
Manuscript Number:	**Ms_JERR_85625**
Title of the Manuscript:	**Quantitative Structure-property Relationship model Based on Artificial Neural Network**
Type of the 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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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	*"…artificial neural network combined with QSPR model to predict the properties of compounds or mixtures can shorten the experimental testing process, speed up the application of materials, so that researchers can better design and synthesize new substances and materials according to the required functions."* This paper did not expound on the above fact of the abstract. The author may need to review more journal articles and provide an evidence-based report on how ANN combined with QSPR has proven effective in speeding up application of materials, and reducing testing period.	
Minor REVISION comments	1. The "model" in the research topic should be capitalised (Model) 2. Three keywords have been provided however, provide **two** more keywords **Section 2.1** 3. "network" as used in the first paragraph should be "networks" 4. "The research ~~of~~ Artificial Neural Network (ANN)" the preposition "on" will fit more 5. Paragraph 4: "*Artificial neural network provides a new method for the problems that are difficult to solve by traditional technologies, improves ~~the~~ research efficiency, which is beneficial to the development of various fields.*" The article "the" is not necessary **Chapter 3** *"They build an artificial neural network includes the 15 molecular descriptors as input data, two hidden layers of 32 neurons each, and a single output (CN)."* Review this statement for clarity sake. This statement started a paragraph; however, the paragraph does not have a specific theme as it point to a continuation of previous discussion. **Chapter 4** should be *conclusion and recommendation* as evidenced in the write up instead of "conclusion and outlook"	
Optional/General comments	The paper is more of a review work. The author(s) will need to effect some of the changes pointed out.	

	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:	**Babatope Olabanji Pele**
Department, University & Country	**University of Ibadan, Nigeria**