

Review Form 1.6

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_92361
Title of the Manuscript:	Application Progress of Artificial Neural Network in Chemical Industry
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:

(<https://www.journaljerr.com/index.php/JERR/editorial-policy>)

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	<p>1. Problem statement and objective of this review paper should be included in the introduction section.</p> <p>2. Fig. 1 is taken from "Tao, H., Ebtehaj, I., Bonakdari, H., Heddam, S., Voyant, C., Al-Ansari, N., ... & Yaseen, Z. M. (2019). Designing a new data intelligence model for global solar radiation prediction: Application of multivariate modeling scheme. <i>Energies</i>, 12(7), 1365." without proper citation.</p> <p>3. According to the abstract, advantages and limitations of artificial neural network in chemical industry, and also prospected development trend should be also added in the manuscript. A new section (section 3) is suggested to be added for these discussion.</p> <p>4. A table of comparison between the state of the art design and performance is suggested to be added.</p>	
Minor REVISION comments	<p>1. Acronyms and abbreviation should be declared properly for their first appearance in the manuscript. For example, "Neural Network Model Predictive Control (NNMPC)" instead of "neural network (NNMPC)".</p> <p>Kindly correct all including but not limit to the following: -</p> <ul style="list-style-type: none"> a. "BP neural network" to "back propagation (BP) neural network" b. "RBF" c. "CPN" d. "SOM" e. "SDP" f. "GRNN" etc.. 	
Optional/General comments	This article reviews the research progress of artificial neural network in chemical industry.	

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)	

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