Review Form 1.7

Journal Name:	**Asian Journal of Applied Chemistry Research**
Manuscript Number:	**Ms_AJACR_103864**
Title of the Manuscript:	**USE OF ARTIFICIAL NEURAL NETWORK AND RESPONSE SURFACE METHODOLOGY FOR MODELLING AND OPTIMIZING THE REMOVAL OF Pb(II) ONTO SHARP SAND**
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:

(https://www.journalajacr.com/index.php/AJACR/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 **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	1- This is a technically and scientifically interesting paper because it is concerned with the use of an artificial neural network and response surface methodology to model and optimize lead (II) removal on sharp sands. Published in the Asian Journal of Research in Applied Chemistry 2- The introduction is good, but it lacks references 3- Figure 3.4 SEM, EDX not clear. 4- Acidity (pH) is important, so why was it not taken into account? 5- Various properties are required in the current study, such as BET spectra, to know the surface area and comparison between raw and activated clays. 6- A comparative study through a literature survey that reinforces the manuscript. 7- Optimum conditions must be stated in each form 8- All references used in the manuscript are recent, and this is positive evidence of its success. 9- Adding the original reference to the first-order pseudo-kinetic study and the second-order kinematic study. 10- • In the equilibrium time, why is the contact time so short 100 seconds, how was the kinetic study calculated with this time? 11- Suggest some additional references to improve the manuscript: https://link.springer.com/article/10.1007/s13399-022-03091-y https://www.annalsofrscb.ro/index.php/journal/article/view/7945 https://iopscience.iop.org/article/10.1088/1757-899X/871/1/012027	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**		
Optional/General comments		

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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:	**Mahmood A. Albo Hay Allah**
Department, University & Country	**Iraq**