

**Review Form 3**

Journal Name:	<a href="#">Asian Journal of Chemical Sciences</a>
Manuscript Number:	Ms_AJOCS_126196
Title of the Manuscript:	A Review On Waste Water Treatment Using Electrocoagulation for Heavy Metals
Type of the Article	Review Article

**Review Form 3**  
**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	Reviewer's comment	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that an author should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	Important subject but needs more development and examples about efficiency of electrocoagulation to treat pollutants and heavy metals from wastewater.	This article helps to understand the role of electrochemical coagulation in treating wastewater. Efficiency of pollutants/contaminants removal from wastewater using electrocoagulation has been mentioned and updated in Table 3.
Is the title of the article suitable? (If not please suggest an alternative title)	No  <b>Suggested title:</b> <b><u>A Review On Treatment by Electrocoagulation to remove pollutants and Heavy Metals from Waste Water</u></b>	The article can be renamed as "Electrocoagulation in Wastewater Treatment: A Comprehensive Review of Heavy Metal and Pollutant Removal"
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	adsorption-exchange, are used to remove heavy metals from water and wastewater. All of these methods are not economical and result in secondary sludge, which poses a risk to the environment ion-exchange, are used to remove heavy metals from wastewater. This method is less economical and can result in a secondary waste like sludges, which poses also a risk to the environment	-
Are subsections and structure of the manuscript appropriate?	No 1.Environmental issues/impacts of raw wastewater 2.Advantages of electrocoagulation 3.Microplastics removal by electrocoagulation 4.Three-dimensional electrocoagulation 5.Experimental set up: 6.Effect of different operating parameters Different methods to detect heavy metals in wastewater (out of context)	Different methods to detect heavy metals in wastewater have been removed as per the reviewer's comments.
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.		The first few sections of this article help readers quickly understand the adverse impacts of untreated wastewater and the importance of electrochemical coagulation in water/wastewater treatment. The later sections discuss the chemical reactions, mechanisms, and effects of different operating parameters in the electrochemical reactor, which contribute to the potential removal of pollutants/contaminants from water/wastewater. This article includes a section snippet about three-dimensional electrocoagulation technique which is a new and popularity-gaining technique in wastewater treatment. It also includes facts and findings considered from the published research and/or review articles.
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. =	Yes	The list of new references are as follows:  <ul style="list-style-type: none"> <li>Tahreen, A., Jami, M. S., &amp; Ali, F. (2020). Role of electrocoagulation in wastewater treatment: A developmental review. <i>Journal of Water Process Engineering</i>, 37, 101440.</li> <li>Tegladza, I. D., Xu, Q., Xu, K., Lv, G., &amp; Lu, J. (2021). Electrocoagulation processes: A general review about role of electro-generated flocs in pollutant removal. <i>Process Safety and Environmental Protection</i>, 146, 169-189.</li> <li>Mao, Y., Zhao, Y., &amp; Cotterill, S. (2023). Examining current and future applications of electrocoagulation in wastewater treatment. <i>Water</i>, 15(8), 1455.</li> </ul>

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		<ul style="list-style-type: none"><li>• Titchou, F. E., Zazou, H., Afanga, H., El Gaayda, J., Akbour, R. A., &amp;Hamdani, M. (2021). Removal of persistent organicpollutants (POPs) from water and wastewater by adsorption and electrocoagulationprocess. <i>Groundwater for SustainableDevelopment</i>, 13, 100575.</li><li>• Hu, Y., Zhou, L., Zhu, J., &amp; Gao, J. (2023). Efficient removal of polyamide particlesfromwastewater by electrocoagulation. <i>Journal of Water Process Engineering</i>, 51, 103417.</li></ul>
Minor REVISION comments  Is the language/English quality of the article suitable for scholarly communications?	Need more improvement	-
Optional/Generalcomments		

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	Authors declare that there are no ethical issues or conflict of interest. Also, this a pure review article based on authors interest and knowledge. The facts and findings used in this article are considered from the published research and/or review articles.