

Review Form 3

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_124035
Title of the Manuscript:	Application of the QuECHERS method for the determination of PAHs in surface sediments along the Dakar coast
Type of the Article	

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors 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.	The study demonstrates applicability of analytical technique to explore unknown PAHs distribution in sediments of the locality However, samples were taken more than four years ago, it is overtaken by time. The study can be continued to show range within 4 years or 5 years (2024)	
Is the title of the article suitable? (If not please suggest an alternative title)	Alternative Determination of PAHs in surface sediments along Dakar coast using QuEACHERS and Gas Chromatography coupled to tandem Mass Spectrometry	
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.	Abstract; Does show the "gap" – the missing information in the locality. Does not show the significance of contamination of sediments with PAHs – acting as a reservoir Do not give statistics of the previous studies in this locality and elsewhere Do not highlight the milestones of QuEACHERS and GCMS to this kind of assessment Sampling and analysis was done more than 4 yrs ago – data may not be relevant today	
Are subsections and structure of the manuscript appropriate?	No	
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.	Demonstrate the ability of QuEACHERS and GCMS to uncover the presence of PAHs in sediments. Shows that a combination of QuEACHERS and GCMS has satisfactory performance characteristics for evaluation of selected PAHs in sediments, providing confidence that the method can be replicated elsewhere. Results show how this region is was polluted roughly four years ago	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	No references for previous QuEACHERS and GCMS methods, previous PAHs statistics No reference for 2023 and 2024	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	There is need to review expression of SI units to achieve uniformity throughout the document Unnecessary information can be moved to appendix Realignment of sections and subsections to attain flow of information	
Optional/General comments	The study can be improved to show distribution over time	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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