

Review Form 3

Journal Name:	Asian Journal of Applied Chemistry Research
Manuscript Number:	Ms_AJACR_122361
Title of the Manuscript:	Identification of Major Interfering Substances for Heavy Metal Determination in Northern Sea Areas of Sri Lanka
Type of the Article	Research Article

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>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.</p>	<p>This manuscript is significant for the scientific community as it provides a detailed analysis of the physicochemical characteristics of seawater in the northern coastal areas of Sri Lanka, which are influenced by anthropogenic activities. The study highlights the need for continuous monitoring and effective management strategies to protect these marine ecosystems from degradation. Moreover, it addresses the challenges in accurately determining heavy metal concentrations in seawater using GFAAS, which is crucial for environmental monitoring and management. The manuscript contributes to the understanding of the environmental conditions in these marine environments and emphasizes the need for further research on heavy metal contamination and the development of robust analytical methods. It is valuable for scientists and policymakers working on environmental conservation and water quality management, particularly in regions with similar coastal ecosystems and anthropogenic pressures.</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes</p>	
<p>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.</p>	<p>Yes abstract is comprehensive</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>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.</p>	<p>The manuscript appears to be scientifically robust and technically sound, as it adheres to established methodologies for water sample collection, preservation, and analysis outlined by the American Public Health Association (APHA) and other standard guidelines. The study uses a comprehensive range of analytical techniques to measure various physical and chemical parameters of seawater, which adds to the technical rigor of the research. The identification and characterization of major inorganic substances that may interfere with heavy metal analysis using GFAAS demonstrate an understanding of the complex matrix effects in seawater, indicating a scientifically informed approach. The manuscript also references previous attempts to utilize GFAAS for heavy metal analysis in the region and acknowledges the limitations of these methods, further demonstrating a critical and scientifically sound evaluation of the analytical challenges. The inclusion of a thorough discussion on the potential sources of contamination and the implications of the findings for environmental monitoring and management strategies suggests that the manuscript is grounded in a solid scientific foundation.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>Yes the references recent and sufficient</p>	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes the language is suitable for the article	
Optional/General comments		

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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