



SDI Review Form 1.6

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| Journal Name: | Chemical Science International Journal |
| Manuscript Number: | Ms_CSIJ_44742 |
| Title of the Manuscript: | Fluoride Distribution in Aquatic Environment in Vicinity of Aluminum Industry and its Correlation with Rainwater Chemistry and Weather Parameter. A case study of Renukoot, District Sonbhadra, Uttar Pradesh |
| 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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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) |
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| <p>Compulsory REVISION comments</p> | <p>ABSTRACT:</p> <ol style="list-style-type: none"> The abstract hasn't been properly written, a concise and factual abstract is one which gives a full summary of a paper or material without going through the full written text, it must be able to stand alone, therefore this abstract has to be rewritten to briefly highlight the identified problem, aim and objectives of the research, the method used to achieve your stated objectives, principal results and findings and major conclusions. Key word are very important and are used for indexing purposes, this is one of the most vital aspect of your work, using the right keywords will enable your research reach a wider audience, for example your principal instrument used in your methodology, hasn't been captured in your keyword. <p>INTRODUCTION:</p> <ol style="list-style-type: none"> The introduction needs to be rewritten such that it captures the justification for carrying out the research, is there any regional significance of the research? All this needs to be stated. The weather and chemistry of rainwater aspect of the work has totally been neglected, authors need to write a comprehensive introduction with respect to it. Please mentioned precise research objectives in bullet format for the clarity of the readers. Most of the references are very old, especially in the introduction; please effort should be made to cite more recent works. There is no literature review on similar work done, please include 2-3 paragraphs of literature review on the similar theme. <p>METHODOLOGY</p> <ol style="list-style-type: none"> The study area needs to have a map. Authors should make a table of sample locations and brief description, and prepare a new map of the study area using Google Earth image to support the already existing map, this it to capture each point samples were taken. The importance of GPS cannot be over emphasized, Coordinates of each sample location gives the readers and future researchers an insight to areas investigated, Hence it is necessary to include GPS Locations. The authors should kindly explain their reason for sampling from thirty three locations using only the selected parameters. What method of data validation has been employed to support the result? Study area section should capture the following features climate, rainfall, and hydrogeology etc, <p>RESULTS</p> <ol style="list-style-type: none"> Results section is poorly depicted, it ought to be well represented in charts, table and graphs as were appropriate, and all concentration values of physiochemical parameter must be in the right units. What is the reason for correlating the rainwater Chemistry and Weather Parameter, because the | |



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| | <p>correlation between both of them wasn't established in the paper</p> <p>DISCUSSION</p> <ol style="list-style-type: none"> 1. Authors should not be limited to only their work, but they can also refer to others studies carried out in other parts of the world which are actually supporting their findings. 2. Be innovative with your discussion, share some new ideas. <p>BIBLIOGRAPHY/REFERENCES</p> <p>Please follow the journal guidelines, and arrange reference alphabetically.</p> | |
| Minor REVISION comments | | |
| Optional/General comments | <p>The paper discusses Fluoride Distribution in Aquatic Environment in Vicinity of Aluminum Industry and its Correlation with Rainwater Chemistry and Weather Parameter. A case study of Renukoot, District Sonbhadra, Uttar Pradesh. It is a good topic and some efforts has been put to monitor water quality in the study area, However more efforts has to be made to improve the quality of the paper.</p> <p>Certain things needs to be addressed to enable the paper meet up international standard</p> <ol style="list-style-type: none"> 1. There are a lot of grammatical errors, the authors have to consult a person with a strong English language background or better still a native English speaker. 2. The method of validation used in the study is very weak; there are more reliable methods or indexing approach used to support findings in this field. 3. Result presentation is poor, there isn't any graphical presentation, and no correlation with rain chemistry and weather parameters. 4. Manuscript title has to be rephrase to capture certain areas of interest, 1 - substance/element/compound been investigated or evaluated, 2 - medium investigated i.e surface/ground water, sediment, plant etc, 3- method used, 4 - study area etc | |

Reviewer Details:

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