



**SDI Review Form 1.6**

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Journal Name:            | <a href="#">Physical Science International Journal</a>                                                                             |
| Manuscript Number:       | 2015_PSIJ_16789                                                                                                                    |
| Title of the Manuscript: | APPLICATION OF EDXRF IN THE DETERMINATION OF THE ABUNDANCE AND DISTRIBUTION OF ARSENIC ALONG A FEDERAL HIGHWAY IN NORTHERN NIGERIA |
| 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>Compulsory</u></b> REVISION comments | <ul style="list-style-type: none"> <li>i. Include work done on Arsenic in Nigeria</li> <li>ii. The objective for the research was not very clear</li> <li>iii. Add the make of the machines and the reagents used</li> </ul> | <ul style="list-style-type: none"> <li>i. To the best of my knowledge, no work has been done on arsenic along a Nigerian road or high way; however, work on arsenic in the general environment in South-Western Nigeria has been included.</li> <li>ii. The objective of the work is to verify whether the observed arsenic level has a link with vehicular emissions or not.</li> <li>iii. The XRF system is an arrangement with an annular isotopic source (<math>^{109}\text{Cd}</math>) and a Si(Li) detector (Canberra, model-SL- 12170). No reagent was used. The liquid binder was used to be able to produce pellets.</li> </ul> |
| <b><u>Minor</u></b> REVISION comments      | <ul style="list-style-type: none"> <li>i. Reorganize your work</li> </ul>                                                                                                                                                    | Attempt has been made to reorganize the work.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b><u>Optional/General</u></b> comments    | The English is okay, minor corrections are needed                                                                                                                                                                            | Some corrections were done in this regard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |