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| Book Name: | [**Geography, Earth Science and Environment: Research Highlights**](https://www.bookpi.org/bookstore/product/geography-earth-science-and-environment-research-highlights-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4743** |
| Title of the Manuscript: | **A Review on Sources, Hydrochemical and Temporal Changes of Arsenic Contamination in the Groundwater of Ballia and Ghazipur Districts** |
| Type of the Article | **Book Chapter** |

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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. A minimum of 3-4 sentences may be required for this part.** | **The manuscript gives an insight into the occurence, sources, toxicity and health implications of arsenic pollution in groundwater and the impacts hydrological cycles play on its behaviour, to guide policy makers on proper water management in regions affected by this heavy metal.** |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **YES, it is suitable** |  |
| 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. | **The abstract is suitable but the following observations are made and should be effected;**   * **The symbol of Arsenic (As) should be included immediately after the word arsenic (in the abstract where arsenic appeared the 1st time; (Arsenic (As) contamination in groundwater has emerged as a significant).** * **Second paragraph line 4- Add a hyphen between As and contaminated as it is a compound word (Arsenic mineral is not present in As-contaminated alluvial aquifer……)** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **The manuscript is a correct scientifically.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | **The references are not recent at all. Update and replace using 2022 references and above.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes it is |  |
| Optional/General comments | **Introduction**  Second paragraph add a hyphen between naturally and occurring (India faces a dual threat of water pollution—both naturally-occurring and anthropogenic….)  Last paragraph in Introduction add a hyphen between naturally and occurring (Since then, widespread occurrences of naturally-occurring arsenic).  **Others**  Figures 1-3 (kindly cite the sources of the figures) |  |

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| **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?** | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewers:**

Ikhumetse Agatha Abamhekhelu, FEDERAL UNIVERSITY OF TECHNOLOGY, NIGERIA