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| Book Name: | [**Chemistry and Biochemistry: Research Progress**](https://www.bookpi.org/bookstore/product/chemistry-and-biochemistry-research-progress-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4783** |
| Title of the Manuscript:  | **ICP-OES Determination of Trace Metals in Groundwater of Proddatur area, YSR Kadapa dist., AP-India** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Caribbean Journal of Sciences and Technology, 7(1): 1-7, 2019.**

**DOI:** [**https://doi.org/10.55434/CBI.2019.7105**](https://doi.org/10.55434/CBI.2019.7105)

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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.** | **This manuscript is a valuable resource for the scientific community as it provides comprehensive data on trace elements of metals in the groundwater of the Proddatur area, YSR Kadapa district. The findings are crucial for raising public awareness about the levels of trace metal contamination in this specific region. By highlighting the contamination levels, the paper not only informs the public but also aids in the development of strategies to mitigate potential health risks. Overall, this work significantly contributes to environmental science and public health by offering detailed insights into groundwater quality.** |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **Yes** |  |
| 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 of the article is comprehensive, but it could be enhanced by including the potential sources of cadmium contamination. This addition would provide readers with a clearer understanding of the origins of the contamination and its implications. By addressing this aspect, the abstract would offer a more complete overview of the study's findings and their significance.** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **The manuscript is scientifically correct, but it could be improved by including additional analyses. Currently, it only presents the minimum, maximum, and average concentrations of the samples. Adding correlation analysis, factor analysis, and cluster analysis would provide a deeper understanding of the data. Additionally, the study area figure lacks sample locations. It would be beneficial to prepare a map that includes sample locations with latitude and longitude values to enhance the clarity and utility of the findings.** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **The references in the manuscript are not sufficient and lack recent studies. It would be beneficial to include more up-to-date references to strengthen the research. For instance, recent studies on groundwater contamination, such as those focusing on emerging contaminants and advanced assessment methods, could provide valuable context and support for the findings.** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Yes |  |
| Optional/General comments |  |  |

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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)* |  |

**Reviewer details:**

**Saubhagya Ranjan Mahapatra, Chandigarh University, India**