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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.** | **Manuscript is of potential benefit if properly reviewed** |  |
| **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. | **Need revision from the present state** |  |
| **Is the manuscript scientifically, correct? Please write here.**  | **Revision is needed** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | **More reference are suggested** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Good but can still be improved |  |
| Optional/General comments | Title: ICP-OES Determination of Trace Metals in Groundwater of Proddatur area, YSR Kadapa dist., AP-IndiaThe authors present an analysis of some trace metals in groundwater collected from different locations of Proddatur area of India. The topic is interesting as water quality is important to human need, but the manner in which the paper is presented in the current state needs revision.**I will suggest its improvement for consideration through the following recommendations:**1. The abstract is not detailed enough. Readers expect to see more detail of the methodology, results, and conclusion in the abstract. The abstract need to be greatly improved. The abstract does not show that the authors achieved much as there is no numerical justification of the heavy metal concentrations interms of the reported percentages to back the author’s claims or results of comparative analysis to show the correlations. Rewrite the abstract.
2. In the introduction, the authors should explain why they did it (motivation) discussing the possible outcome. Readers are primarily interested in the motivation and outcome of your research. Therefore, a good introduction should contain: a. What is the problem to be solved? b. Are there any existing solutions? c. Which is the best? d. What is the main limitation of the best and existing approaches? e. What do you hope to change or propose to make it better? f. How is the paper structured?
3. The lists of heavy are more than 12. Authors should justify why only 12 of them are used in the study for clarity.
4. Related recent works section is not sufficient. The authors should improve on this section as they have left many papers out that dwells on heavy metals affecting human health. Normally, it’s the gaps in work of others that the authors are expected to fill. Therefore, at the end of your review section state the problems in this field with appropriate reference and tell readers which one was address by others and what your work addresses. The authors should consult and cite doi: <https://doi.org/10.4236/gep.2020.88001> And also cite the below reference;

Tyovenda, A. A., Ayua, T. J., & Sombo, T. (2016). Heavy Metals Concentration Analysis in Air Particulates of Some Major Towns of Nasarawa State—Nigeria. *International Research Journal of Environmental Sciences*, *5*(8), 22-28. Comment briefly on the human health effects of those heavy metals you analyzed.1. Please clearly highlight how your work advances the field from the present state of knowledge on water quality assessment and you should provide a clear summary for your work which should be stated in the conclusion section. The impact or advancement of the work and its limitation can also appear in the conclusion. You may choose to write these as points by points.
2. Finally, for the English, I believe it can be improved by a thorough grammar checker.
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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:**

**Tyoyima John Ayua, University of The Gambia, Gambia**