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| Book Name: | [**New Horizons of Science, Technology and Culture**](https://bookstore.bookpi.org/product/new-horizons-of-science-technology-and-culture-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_5738** |
| Title of the Manuscript: | **Rheological Analysis of Electrical conductivity of Ground water at surrounding locations of Dildar Nagar of U.P, 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.**

**Advances in Applied Science Research, 6(7):137-140, 2015.**

**Available:**[**https://www.primescholars.com/articles/analysis-of-electrical-conductivity-of-ground-water-at-different-locations-ofdildar-nagar-of-up-india.pdf**](https://www.primescholars.com/articles/analysis-of-electrical-conductivity-of-ground-water-at-different-locations-ofdildar-nagar-of-up-india.pdf)

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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 minimumof 3-4 sentences may be required for this part.** | The manuscript addresses a critical issue related to groundwater quality, which is of growing concern in the context of increasing water scarcity and pollution. By focusing on electrical conductivity as a key parameter, the study offers important insights into the spatial and temporal variability of groundwater characteristics in the Dildar Nagar region. The application of analysis of variance (ANOVA) adds statistical validity to the findings, enhancing their relevance and applicability. This work contributes to the broader field of environmental monitoring and water resource management, and its findings may serve as a useful reference for researchers, environmental agencies, and policymakers aiming to ensure safe and sustainable water use. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The current title, *"Rheological Analysis of Electrical Conductivity of Ground Water at Surrounding Locations of Dildar Nagar of U.P, India"*, is not entirely appropriate. The term *“rheological analysis”* typically refers to the study of the flow and deformation behavior of materials, which is not applicable to electrical conductivity measurements of groundwater. Therefore, the title may be misleading for readers.  **Suggested alternative title:**  **“Assessment of Electrical Conductivity of Groundwater in Surrounding Areas of Dildar Nagar, U.P., India”** |  |
| 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 provides a basic overview of the manuscript but lacks clarity and completeness in terms of structure and key elements. It should more clearly state the research objective, methodology (e.g., number of samples, duration of study), key findings, and implications. Currently, the abstract focuses heavily on general statements about the importance of water, which could be condensed. Instead, it would benefit from a stronger emphasis on the specific study area, the parameters analyzed (electrical conductivity), the statistical tools used (e.g., ANOVA), and a concise summary of the results and conclusions. Including quantitative results or trends would improve the abstract’s scientific value and help readers quickly grasp the core contribution of the work. |  |
| **Is the manuscript scientifically, correct? Please write here.** | The manuscript addresses a relevant scientific problem; however, there are concerns regarding its scientific accuracy and clarity. While the topic of groundwater quality assessment is valid, the manuscript lacks sufficient detail in methodology, including sampling procedures, experimental setup, and statistical analysis. The explanation of electrical conductivity and its environmental significance should be elaborated using scientifically accurate language. Additionally, the interpretation of results would benefit from a more in-depth discussion supported by existing literature. To ensure scientific correctness, the authors should strengthen the methodological framework, ensure clarity in data representation, and support conclusions with adequate references and reasoning. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | No language issue |  |
| Optional/Generalcomments | the manuscript covers an important topic related to groundwater quality assessment, which is relevant to environmental sustainability and public health. However, the overall presentation of the manuscript requires improvement. The language needs significant editing for grammar, clarity, and scientific tone. Figures and tables should be properly labeled and referenced within the text. Additionally, the discussion section would benefit from deeper engagement with relevant literature to place the findings in a broader scientific context. It is recommended that the authors revise the manuscript thoroughly for structure, coherence, and scientific rigor before it can be considered for publication. |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment*(if agreed with the 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?** |  |  |

**Reviewer details:**

**Yadvendra Pal Singh, Lovely Professional University, India**