

REVIEWER'S REPORT

Manuscript No.: IJAR-51892

Date: 28-05-2025

Title: A STUDY ON THE VARIATION OF WATER QUALITY PARAMETERS ACROSS DIVERSE WATER SAMPLES

Recommendation:

Accept as it is.....YES.....

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		√		
Techn. Quality			√	
Clarity		√		
Significance		√		

Reviewer's Name: Tahir Ahmad

Reviewer's Decision about Paper: **Recommended for Publication.**

Comments (*Use additional pages, if required*)

Reviewer's Comment / Report

Abstract Review:

The abstract succinctly presents the study's focus on analyzing various physical and chemical water quality parameters from different sources. It clearly states the objective—comparing parameters such as odour, turbidity, pH, and hardness—and emphasizes the practical importance of assessing water safety for community health. The abstract is concise and provides a good overview of the research scope and its relevance.

Introduction Review:

The introduction effectively establishes the fundamental importance of water for all living beings and the multiple uses of water in daily life. It correctly highlights the growing problem of water pollution due to waste from domestic, industrial, and agricultural sources. The explanation of the risks associated with using polluted water, including health issues, contextualizes the necessity of the study. The introduction also clearly explains the specific water quality parameters examined in the study, providing accessible definitions for terms like odour, turbidity, and pH, which aids reader comprehension.

Content Clarity and Organization:

The writing is clear, straightforward, and logically organized, making complex scientific concepts accessible. Definitions of key water quality parameters are well-explained with relevant examples,

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supporting reader understanding regardless of their technical background. The rationale for focusing on these parameters is well justified.

Scientific and Practical Significance:

The study addresses a critical environmental and public health issue—water quality assessment. By analyzing water samples from diverse sources, the research contributes valuable data on the variability of water quality and potential risks associated with different water bodies. The emphasis on regular water testing underscores the study's practical implications for safeguarding community health.

Overall Impression:

This manuscript provides a clear and relevant investigation into water quality variations, grounded in fundamental environmental science and public health concerns. The abstract and introduction sections are effectively composed to communicate the study's importance, objectives, and parameters under study. The work promises to offer useful insights for environmental monitoring and water resource management.