

# Review of: "Assessment of Quality, Bacterial Population and Diversity of Irrigation Water in Selected Areas of Minna, Niger State, Nigeria"

Magda F. El-Adl<sup>1</sup>

<sup>1</sup> Damietta University

Potential competing interests: No potential competing interests to declare.

Thank you for allowing me to evaluate this manuscript. This subject is interesting for monitoring the irrigation water quality. The idea of work is good. However, I suggest some amelioration points before it is accepted.

1-The title should be reformulated to provide a clearer understanding of the research idea. I suggest the following title: "Assessment of Water Quality and Bacterial Diversity of Irrigation Water at Minna, Niger State, Nigeria".

2-Rephrase the abstract: show the aim first, and then the methods concisely, the main results, conclusions, and finally, the recommendation.

3-The references in the manuscript are up to 2014 only; they need to be updated, particularly in the introduction.

4-The aim of the work should be written at the end of the introduction, followed by the objectives as sentences, not points.

5- The study needs a map showing the locations and writing the reasons for choosing these locations.

6- Mention the number of times and the years you collected the samples in the materials and methods.

7- Why did you mention Completely Randomized Design (CRD) in the research? Did you do any experiments?

8-Number the table of Standards for Irrigation Water (Table 1), put it in the materials and methods, and re-number the other tables.

9-Material and Methods need to be improved. Water analysis needs to be documented by references.

10- The temperature symbol should be written as a degree sign (°), not zero (0), in all manuscripts.

11-"Preparation of Agar" should be corrected to "Preparation of Media."

12- The unit of total hardness in Table (4), "Total hardness (Mg/l)," needs to be corrected.

13- The results and the discussion need to be improved and elaborated with more recent references.

14-Language in the manuscript needs more improvement.

