

Review of: "[Review] Optimizing Wastewater Treatment Performance System and Achieving Greater Efficiency to Improve Water Quality for Sustainability — A Review"

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Potential competing interests: No potential competing interests to declare.

The manuscript title "Optimizing Wastewater Treatment Performance System and Achieving Greater Efficiency to Improve Water Quality for Sustainability — A Review" presented an interesting research study; however, the paper is still lacking some important information. I thereby recommend a major revision before publication.

Comments

1. The abstract should be rewrite completely, the content of the manuscript was not summarized and the novelty of the paper is not spell out
2. From the abstract i cannot understand what the research is all about the whole abstract have to restructured
3. "Nuclear wastes require fresh technological and nonsupervisory inventions to contain their singular capacity for contamination and accumulation" what is the main purpose of this statement I did not understand what the author is trying to convey.
4. "Radioactive by-products make clear the familiar temporality of less disquieting forms of waste, and the breakdown of waste is a time-consuming process" this sentence has no meaning.
5. The authors should include the novelty of this review paper at the last paragraph of the introduction and state clearly the main problem statement and solution in the body of the introduction.
6. In section of the manuscript, the author discussed about the wastewater treatment methodologies, the authors should include a table for comparison of this method and state the advantages and disadvantage of each methods.
7. This review paper the manuscript need at least 100 to 200 cited papers, the author only cited 42 manuscript the credibility of the manuscript is questioned. The author should cite more useful papers. I suggest this paper for more information: (1) <https://doi.org/10.1016/j.jece.2022.108065>, <https://doi.org/10.1016/j.cej.2015.10.105>, <https://doi.org/10.1016/j.chemosphere.2021.130440>, Purification of simulated waste water using green synthesized silver nanoparticles of *Piliostigma thonningii* aqueous leave extract
8. Section 3.2, the authors just brought "Moringa Stenopetala treatment" from knows where without discussing the green method of wastewater treatment. This shows that the authors don't have any directions.
9. Section 3.1 should merge with section 3, why separating Industrial Wastewater Treatment, and the content in section 3.1 is different from the title. This section should be removed or name it another title.
10. The authors should include a table explaining a comprehensive review on different method s wastewater treatment.

11. The authors should use a maximum of 11 words per sentence. In this way, the authors can be clear and concise.
12. Kindly check and correct little grammatical mistakes
13. Re-write the conclusion part in a better clarity form in a concise illustration