

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.

"Many applications are performed in water management, such as in agriculture, the chemical industry, the tannery industry, immobilization, nanofiltration, carbon capturing technology, microbial bioremediation, and other fields. We can see the advantages and disadvantages of these applications in this article."

I think this sentence in the abstract can be better phrased – it is difficult to understand what the authors meant by "many applications are performed in water management..."; does it mean there are many industries that will benefit from water management or those industries currently participate in water management?

"The World Health Organization (WHO) report shows that 10 million people are dead because they use unsafe wastewater for drinking, sanitation, and other consumable purposes "

In the sentence above, the authors reported, according to WHO, that 10 million people are dead because they use unsafe wastewater. Is that yearly death or the total since forever? Also, 10 million too precise a number I would say; maybe using "around 10 million people".

"The same could be said of the average MSW tip, which can release methane with 25 times the likelihood of carbon dioxide through the decay of ordinary..."

In the sentence above, the authors used MSW acronym without having previously stated what it means.

General Comment

Firstly, Figure 4 is missing in the manuscript, and I think it is always advisable to have at least five figures in a review article.

My general comment is that, while the authors have done a good work of highlighting several important factors in wastewater treatment, there was no gap that was specifically filled by this new work. Although, I acknowledge that being *India-centric* might be a new dimension (approach) to this topic.