

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

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ABSTRACT

The authors did a good job of providing insight on the significance of wastewater treatment in resolving environmental issues and the abstract covers several important areas in wastewater treatment.

Suggestions:

It would be nice to give a brief overview of the various stages involved in wastewater treatment (primary, secondary, tertiary) before going ahead to highlight what happens in each stage.

Although the writers said that the article examines the benefits and drawbacks of numerous wastewater treatment methods, these topics are only briefly touched upon throughout the abstract section. Consider summarizing the main benefits and drawbacks discussed in the article in a succinct manner.

INTRODUCTION

The authors did a good job of offering a comprehensive summary of several wastewater treatment methods. The fundamental ideas behind each approach are presented clearly, and they are well explained. The use of case studies and actual situations to demonstrate how important wastewater treatment is and how it is done in various countries is great.

Suggestions

The introduction mentions that to manage the water cycle, the use and recycling of wastewater are performed by various technologies, explicit examples of these technologies should be included if possible.

Even though physical, chemical, and biological methods were later discussed in the paper, there was no information about the chemical treatment of wastewater in the introduction.

FIGURES

Figure 2: To convey the message better, more information has to be provided in the write-up, only Pondicherry, which has the highest amount of recycled treated wastewater was mentioned.

PROCESS OF WASTEWATER TREATMENT

Suggestions

It would be nice to classify and explain all the wastewater treatment methods under physical, chemical and biological methods, this would make the manuscript more organized and easier to read. For example, *Moringa stenopetala*, *Cyanobacteria* is explained under biological method of wastewater treatment, more work needs to be put into organization of the content in the paper.

Overall comments

The article “Optimizing Wastewater Treatment Performance System and Achieving Greater Efficiency to Improve Water Quality for Sustainability” offers an essential summary of wastewater treatment methods and enhancement approaches. The article has the potential to be a useful educational tool for experts and novices in the subject of wastewater treatment with a few modest improvements.