

### Review Form 3

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	Ms_JMSRR_128040
Title of the Manuscript:	Application of Recycled Plastic Media to Enhance Processes of a Waste Water Treatment Plant
Type of the Article	Original Research Article

#### **PART 1: Comments**

	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	The findings of the manuscript are of importance in the light of the introduction of the recycling plastic products in the processes of wastewater treatment which is paramount in combating environmental issues. Specifically, the study utilizes different types of recycled plastic as growth media in order to promote sustainable practices in wastewater management, thus decreasing plastic waste and improving the efficiency of treatment. The findings demonstrate that there are specific plastics that are preferred for use in specific treatment methods and systems providing useful information on the best possible configurations of the wastewater treatment systems and their possible cost cutting measures. As highlighted, this research is in line with not only the tenets of biomimicry but also brings about impetus for further exploration of alternative technologies in wastewater treatment which is in compliance with worldwide sustainability objectives.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	The title accurately reflects the focus of the research	

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<p><b>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>The summary of the study “Application of Recycled Plastic Media to Enhance Processes of a Waste Water Treatment Plant” gives a comprehensive review on the research pertaining to the adoption of the use of recyclables plastic materials in the treatment of wastewater processes. The purpose(s) of the research, methods employed, and the findings including the details of types of plastics used and why those types in particular were used in different treatment systems, were all crocheted together into the neat introduction. Nevertheless, the basic abstract may be enhanced in clarity and drew attention to consider the following suggestions: Such as.</p> <p>Contextual Introduction: The opening remarks should stress tenable constituent as an aspect in waste water treatment as this strongly justifies the conduct of the research.</p> <p>Clear Objective Statement: Make it clear the goal of the study by listing it in abstract so that readers will read with correct expectations.</p> <p>Concise Results Summary: Convey all the crucial and definite conclusions about the works with one line without bringing out comprehensive aspects of all the findings which could be very tiresome to readers.</p> <p>Future Research Directions: You can add a sentence on how this study can raise a new question for future researches or practices.</p> <p>The avoidance of the above faults will ensure that the abstract will not only provide the relevant information but also capture the attention of quite a number of other people who are concerned with the environmental issues and waste water treatment as well.</p>	
<p><b>Is the manuscript scientifically, correct? Please write here.</b></p>	<p>The study shows the promise that plastics have in being useful in the treatment of wastewater while operating through the principles of recycling. It is recommended that more studies be done on the extent in which these materials can be employed in biological sewage treatment processes.</p>	
<p><b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b></p>	<p>Reference need to add in discussion part</p>	
<p><b>Is the language/English quality of the article suitable for scholarly communications?</b></p>	<p>yes</p>	
<p><b><u>Optional/General</u> comments</b></p>	<p><b>How does the trickling filter mechanism function in the context of wastewater treatment systems?</b></p> <p><b>What are the benefits of using molecularly replicated plastic for wastewater treatment?</b></p> <p><b>Which factors have an effect on the growth of biomass in different wastewater treatment procedures?</b></p> <p><b>Why is the temperature so important for the functioning of microbes?</b></p> <p>I have no competing interest</p>	

**PART 2:**

	<b>Reviewer’s comment</b>	<b>Author’s comment</b> (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<p><b>Are there ethical issues in this manuscript?</b></p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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