

Review Form 3

Journal Name:	Journal of Materials Science Research and Reviews
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>
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.	Treatment of Municipal wastewater is a highly challenging job. Recycling of plastics in various forms of plastic media can help reduce emissions of heat-trapping gases into the atmosphere. It also prevents adding more rubbish to landfills. In the current manuscript, six different forms of plastic media were shown. The study shows higher biomass growth at different stages. The reduction of BOD and Ammonia is mainly focused.	
Is the title of the article suitable? (If not please suggest an alternative title)	Title is appropriate	
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.	<ol style="list-style-type: none"> Abstract can notify the importance and the created awareness of recycled Plastic media. One or two gaps are need to be highlighted. 	
Is the manuscript scientifically, correct? Please write here.	Scientifically, correct	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	References are limited to only nine. It can be improved. All the references needs to be cited properly. Reference number 7 is not showing full details.	
Is the language/English quality of the article suitable for scholarly communications?	Language and the quality of English must be checked and revised.	
Optional/General comments	<ol style="list-style-type: none"> The overall idea and implementation of research is very good. What is the basic source material to know the total quantity of MWW enters Minoa WWTF? The study is focused with biological degradation of organic matter (reduction of BOD). What was the initial scope for the implementation of biological treatment for MWW? Have the study checked against BOD/ Cod ratio? What is detention period for SBR? What type of aeration technique used? What was the initial level of BOD and Ammonia in the MWW? How did the course impurities are removed from the plastics? Out of six different plastic Medias, which one is the best with the growth of Bio-films? Are there any differences found in duration on the level of their growth? What is the minimum number of days required for the growth of biofilm on each plastic media? 	

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PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

Reviewer Details:

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