

Review Form 1.7

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_95015
Title of the Manuscript:	Laboratory Study of Treating Wastewater with Laboratory Benchtop Septic Systems
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://www.journaljerr.com/index.php/JERR/editorial-policy>)

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PART 1: Review Comments

	<u>Reviewer's comment</u>	Author's comment (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>Compulsory REVISION comments</p> <ol style="list-style-type: none"> 1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript) 2. Is the title of the article suitable? (If not please suggest an alternative title) 3. Is the abstract of the article comprehensive? 4. Are subsections and structure of the manuscript appropriate? 5. Do you think the manuscript is scientifically correct? 6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>The article Ms_JERR_95015. Laboratory Study of Treating Wastewater with Laboratory Benchtop Septic Systems. The authors developed 19.9 l (5 gal.) laboratory septic system containing 15 l (3.96 gal.) of liquid was operated at a temperature of 18°C (64.4°F) with wastewater collected from a primary clarifier of a local wastewater treatment plant. The laboratory study included a hydraulic retention time of 30-, 10- and 5-day with and without addition of bacteria from an anaerobic sludge blanket reactor and commercially available bacteria for enhancement of septic systems.</p> <p>Operating the laboratory septic system at a 10-day HRT showed the best performance for all system operations with and without enhancement bacteria in comparison n to 30- and 5-day HRT. There are some minor revisions that should be completed by the authors before the final publication in the prestigious Journal of Engineering Research and Reports.</p> <p><u>Comments for Authors</u></p> <ul style="list-style-type: none"> ➤ No need to revise the laboratory in the title. Revise it. ➤ Section 2. And 2.1. It should be Materials and methods. Correct it. ➤ Highlights some key points. ➤ Please mention the Graphical abstract. ➤ Please only use one parameter for Temperature. ➤ Figure 2. Explain it with more detail. ➤ For °C, °F, Tables, Figure use same format throughout the manuscript. ➤ Introduction, revise it and could be elaborated in terms of what other mechanism has been used in previous or other related studies? ➤ Add the impact of current work on industry and future research. ➤ The authors need to improve the problem statement in the introduction section. ➤ Why did the authors repeat again and again the same references? <p>Authors need to increase the literature and problem statement from the current recent papers such as.</p> <ul style="list-style-type: none"> ❖ https://doi.org/10.1002/app.51191 ❖ https://doi.org/10.3390/polym14153206 ❖ https://doi.org/10.1002/app.52624 	
<p>Minor REVISION comments</p> <ol style="list-style-type: none"> 1. Is language/English quality of the article suitable for scholarly communications? 	<p>Yes</p>	
<p>Optional/General comments</p>		

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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>	

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