

Review Form 3

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| Journal Name: | Journal of Energy Research and Reviews |
| Manuscript Number: | Ms_JENRR_120382 |
| Title of the Manuscript: | Design of the system of an assemblable channel slope weeder |
| Type of the Article | Research Article |

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PART 1: Review Comments

| Compulsory REVISION 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> |
|---|--|---|
| <p>Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.</p> | <p>The fact that this manuscript fills a crucial void in the current literature and provides fresh perspectives that may stimulate more research in the area makes it important for the scientific community. Practical ramifications of the findings could influence future technological developments or policy. The manuscript's clarity, thoroughness, and authors' dedication to transparency are commendable, as they contribute to the results' increased credibility. Furthermore, by encouraging collaboration across various fields and possibly producing novel solutions, the study's interdisciplinary approach enriches the discourse.</p> | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p>Yes</p> | |
| <p>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</p> | <p>With some results, abstract can be more exact and refined. Need not to mention the citation of the article in the abstract. Abstract can be elaborated and structured more for better citation of the article.</p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p>Yes, subsections and structure of the overall manuscript is quite good.</p> | |
| <p>Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.</p> | <p>There are multiple reasons why this manuscript is technically sound and has strong scientific backing. First, the study's methodology is clearly defined and thoroughly explained, making it possible for other researchers to conduct a similar investigation. Second, the figures have been analyzed using sophisticated and suitable simulation results, which have been entirely justified. Third, the findings are more credible because they are disclosed openly and include a discussion of any potential biases and limitations.</p> | |
| <p>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form. :</p> | <p>1. Some recent references can be added in the manuscript as Yadav, M., Kumar, S., Kaushik, A., Chhabra, D. Piezo-beam structure in a pipe with turbulent flow as energy harvester: Mathematical modeling and simulation. Journal of The Institution of Engineers (India): Series D, 2023; 104(2): 739-752. Yadav, M., Kumar, S., Kaushik, A., Garg, R. K., Ahlawat, A., Chhabra, D. Modeling and simulation of piezo-beam structure mounted in a circular pipe using laminar flow as energy harvester. International Journal of Engineering Trends and Technology. 2023; 71(2):296-314. Yadav, M., Yadav, D., Kumar, S., Chhabra, D. State of art of different kinds of fluid flow interactions with piezo for energy harvesting considering experimental, simulations and mathematical modelling. Journal of Mathematical and Computational Science, 2021; 11(6): 8258-8287. Yadav, M., Yadav, D., Garg, R.K., Gupta, R.K., Kumar, S. Chhabra, D. Modeling and optimization of piezoelectric energy harvesting system under dynamic loading. In Advances in Fluid and Thermal Engineering: Select Proceedings of FLAME 2020 (pp. 339-353). Springer Singapore, 2021. Yadav, M., Yadav, D., Kumar, S., Garg, R.K., Chhabra, D. Experimental & mathematical modeling and analysis of piezoelectric energy harvesting with dynamic periodic loading. International Journal of Recent Technology and Engineering, 2019; 8(3):6346-6350.</p> <p>2. The quality of the manuscript will be enhanced by proofreading it for grammar errors.</p> | |

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| | <p>3. All the references should be cited in ascending order in the “Introduction” section.</p> <p>4. Which software is used for the simulation, it can be mentioned in the manuscript.</p> <p>5. In section 31. and 3.2 quality of figures 10, 11, 12, 13 can be enhanced more.</p> <p>6. In section 31. and 3.2 the language used by the simulation software in the figure 10, 12, 13 can be changed to English for generalization.</p> <p>If the all above mentioned changes can be done in the manuscript then the paper can be accepted.</p> | |
| <p><u>Minor</u> REVISION comments</p> <p>Is language/English quality of the article suitable for scholarly communications?</p> | <p>To ensure a better citation for the article, the language could be improved.</p> | |
| <p><u>Optional/General</u> comments</p> | | |

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> |
|--|---|---|
| <p>Are there ethical issues in this manuscript?</p> | <p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p> | |

Reviewer Details:

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|---|--|
| <p>Name:</p> | <p>Mohit Yadav</p> |
| <p>Department, University & Country</p> | <p>University Institute of Sciences, Chandigarh University, India</p> |