

## Review Form 1.7

Journal Name:	<a href="#">Asian Journal of Agricultural Extension, Economics &amp; Sociology</a>
Manuscript Number:	Ms_AJAEES_95034
Title of the Manuscript:	Design and development of a poultry litter raking machine for small farms
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.journalajaees.com/index.php/AJAEES/editorial-policy> )

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**PART 1: Review Comments**

	Reviewer's comment	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><b>Compulsory</b> REVISION comments</p> <ol style="list-style-type: none"> <li>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</li> <li>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</li> <li>3. <b>Is the abstract of the article comprehensive?</b></li> <li>4. <b>Are subsections and structure of the manuscript appropriate?</b></li> <li>5. <b>Do you think the manuscript is scientifically correct?</b></li> <li>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p><b>Reviewer Comments</b> The followings should be carefully addressed in the revision to be published in the Journal of Global Ecology and Environment.</p> <ol style="list-style-type: none"> <li>1- The authors should be followed the instruction of the journal in all parts and sections in this manuscript.</li> <li>2- Try to decrease the manuscript page numbers.</li> <li>3- In general, this manuscript presents literature survey different published papers, which use various types of passive tapes that can improve hydrothermal performance as compared with smooth pipe. However, the structure of this article resembles the literature review chapter for any thesis and it is unlike the conventional organization of review papers. Abstract: authors need to raise the main purpose of this investigation, as well as the key findings observed by the authors. Therefore, to be more excited, they have to rewrite it with coherent writing.</li> <li>4- The abstract needs more quantitative results. The abstract section is an important and powerful representation of the research. It is better that the results should be presented with the support of specified data. Please provide your contribution and work novelty.</li> <li>5- Most tables and figures are needed improve the quality of all tables and figures.</li> <li>6- Add different heat transfer equations for calculating overall heat performance and add references for all equations.</li> <li>7- Please provide more information regarding sensitive analysis.</li> <li>8- Improve work justification.</li> <li>9- I would also suggest including in the conclusion section but also in several other places in the manuscript discussion and comparison with findings from other authors with similar published research work.</li> <li>10- It is recommendable to add below references in order to underline the connections of the manuscript with the aims and scope of the Journal. Investigation of fluid field analysis, characteristics of pressure drop and improvement of heat transfer in three-dimensional circular corrugated pipes. Investigation of the three-dimensional structure, pressure drop, and heat transfer characteristics of the thermohydraulic flow in a circular pipe with different twisted-tape. Analysis of the flow field, thermal performance, and heat transfer augmentation in circular tube using different dimple geometrical configurations with internal twisted-tape insert. Numerical Investigation of Fluid Flow, Characteristics of Thermal Performance and Enhancement of Heat Transfer of Corrugated Pipes with Various Configurations. Study the influence of concavity shapes on augmentation of heat-transfer performance, pressure field, and fluid pattern in three-dimensional pipe. Investigation of the Flow, Pressure Drop Characteristics, and Augmentation of Heat Performance in a 3D Flow Pipe Based on Different Inserts of Twisted Tape Configurations. Study of the Flow Characteristics, Pressure Drop and Augmentation of Heat Performance in a Horizontal Pipe with and without Twisted Tape Inserts. Effect of Concavity Configuration Parameters on Hydrodynamic and Thermal Performance in 3D Circular Pipe using Al<sub>2</sub>O<sub>3</sub> Nanofluid Based on CFD Simulation. Flow Pattern Investigation and Thermohydraulic Performance Enhancement in Three-Dimensional Circular Pipe under Varying Corrugation Configurations. Investigation of the flow, pressure drop characteristics, and augmentation of heat performance in a 3D flow pipe based on different inserts of twisted tape</li> </ol>	

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	<p><b>configurations</b>                  Flow felid and heat transfer enhancement investigations by using a combination of corrugated tubes with a twisted tape within 3D circular tube based on different dimple                  Investigation of flow pattern, thermohydraulic performance and heat transfer improvement in 3D corrugated circular pipe under varying structure configuration parameters with development different correlations                  Investigation on effects of varying geometrical configurations on thermal hydraulics flow in a 3D corrugated pipe                  11- The conclusion section on lacks in summative conclusions. The main results, novelty and academic contributions should be emphasized in this section. Moreover, are the results obtained in this paper really applicable in other similar researches?                  12- In the discussion development, it is very important to emphasize points of agreement or disagreement between results in this work and others cited in references part of manuscript.                  13- Authors should discuss limitations of the current study and possible improvements for future directions/research works.                  14- Authors did not illustrate the key aim and objectives of this survey and they did not provide any summarized table for the significant parameters.                  15- Finally, I strongly recommend the author to read through the whole text and correct it to make it more reader-friendly.</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>		
<p><b>Optional/General</b> comments</p>		

**PART 2:**

	<p><b>Reviewer's comment</b></p>	<p><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>
<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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