

**Review Form 3**

Journal Name:	<b>Physical Science International Journal</b>
Manuscript Number:	<b>Ms_PSIJ_123693</b>
Title of the Manuscript:	<b>Modeling Heat and Mass Transfer in a Wet Terracotta Tube Channel for Evaporative Cooling Application: Influence of geometrical parameters</b>
Type of the Article	The work is original and it is fit for publication

### Review Form 3

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

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</b>	The paper investigates the influence of design parameters on the performance of a terracotta tube-type evaporative cooling system. The analysis carried out is standard and the results presented in this manuscript provide useful information to the researchers working in the area of heat and mass transport phenomena. The analysis is free of errors and complete. The length is the paper adequate the scientific content. The presented graphs are clear and easy to understand. Mathematical results are found to be correct. Analysis is lucid and conclusions are satisfactory. The work is original and it is fit for publication in the present form.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	YES	
<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>	<b>YES, No changes required</b>	
<b>Are subsections and structure of the manuscript appropriate?</b>	YES	
<b>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</b>	This study provides valuable insights for designing and optimizing tubular evaporative cooling systems. It highlights the importance of selecting appropriate tube dimensions to achieve the desired outlet temperature and cooling efficiency. By carefully balancing the hydraulic diameter, flatness ratio, and tube length, engineers can create compact and effective evaporative cooling systems suitable for various applications.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	YES	
<b>Minor</b> REVISION comments		
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	YES	
<b>Optional/General</b> comments	<ol style="list-style-type: none"> <li>1. The authors need to read carefully and correct grammatical/typographical errors. Especially in the introduction part.</li> <li>2. Physical interpretation to be improved.</li> </ol>	

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**PART 2:**

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

**Reviewer Details:**

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