

## Review Form 1.7

Journal Name:	<a href="#">Journal of Materials Science Research and Reviews</a>
Manuscript Number:	Ms_JMSRR_100469
Title of the Manuscript:	Computational Fluid Dynamics of Air in Forced Draft Counter Flow Wet Cooling Tower: Using Comsol Multi-Physics.
Type of the 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://journaljmsrr.com/index.php/JMSRR/editorial-policy> )

### 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 REVISION</b> comments</p> <ol style="list-style-type: none"> <li>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</li> <li>2. Is the title of the article suitable? (If not please suggest an alternative title)</li> <li>3. Is the abstract of the article comprehensive?</li> <li>4. Are subsections and structure of the manuscript appropriate?</li> <li>5. Do you think the manuscript is scientifically correct?</li> <li>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</li> </ol> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<ol style="list-style-type: none"> <li>1. The manuscript is important for the scientific community since it is along with other studies dealing with cooling towers- which are widely used in different energy industrial processes. The complexity of this study is given by the involvement of both heat and mass transfer- specific to these technologies.</li> <li>2. Yes</li> <li>3. Yes</li> <li>4. Yes</li> <li>5. Yes</li> <li>6. Yes</li> </ol> <p>Studies like the proposed one are significant due to the fact that it is important to investigate the performance of cooling towers. Their efficiency will vary with changes in environmental conditions. The study is interesting since the thermal efficiency depends on their geometrical arrangement and crosswind conditions. Setups of counter flow cooling tower are currently used for demonstrating how combined heat and mass transfer works. It is seen that the aim of the study is to create a model over this phenomenon using COMSOL Multiphysics.</p>	
<p><b>Minor REVISION</b> comments</p> <ol style="list-style-type: none"> <li>1. Is language/English quality of the article suitable for scholarly communications?</li> </ol>	<p>In the paper are found some spelling errors, such as "concentrstion" instead of "concentration" or "velociy" instead of "velocity", etc.</p>	
<p><b>Optional/General</b> comments</p>		

### PART 2:

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

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**Reviewer Details:**

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