

## Review Form 1.7

Journal Name:	<b>Journal of Materials Science Research and Reviews</b>
Manuscript Number:	<b>Ms_JMSRR_104186</b>
Title of the Manuscript:	<b>Simulation Study of Bi-metal Strips from a Centrifugally Casted Manufacturing Technique using Ansys</b>
Type of the Article	<b>Original Research Article</b>

### **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> )

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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> <p>1. <b>Is the manuscript important for scientific community?</b> (Please write few sentences on this manuscript)</p> <p>2. <b>Is the title of the article suitable?</b> (If not please suggest an alternative title)</p> <p>3. <b>Is the abstract of the article comprehensive?</b></p> <p>4. <b>Are subsections and structure of the manuscript appropriate?</b></p> <p>5. <b>Do you think the manuscript is scientifically correct?</b></p> <p>6. <b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p> <p><b>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</b></p>	<p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>Yes</p> <p>No (Appropriate literature survey should be added.)</p>	
<p><b>Minor</b> REVISION comments</p> <p>1. <b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>Yes</p>	
<p><b>Optional/General</b> comments</p>	<p>In this work, authors report “employs the Finite Element Analysis (FEA) method to conduct an electric resistance test on bimetallic materials composed of aluminum and brass. Bimetallic have properties that are not present in their individual metal constituents. Through centrifugal casting, a bimetal with different compositions of aluminum and brass was generated for simulation.” The conclusion is consistent with characterization. I think which can be accepted before addressing following suggestions.</p> <p>1: English language should be substantially polished and revised. The results reveal that an increase in aluminum content leads to decreased temperature and heat generation due to aluminum's higher thermal conductivity compared to brass. How the temperature decrease? use proper words to make it clear for readers and also in abstract put the exact values of findings of temperature decrease and show that up to which extent the temperature decreases .</p> <p>2. In the Introduction part, the authors need to carefully elaborate.</p> <p>3. Highlight the objective of the work in the introduction section</p> <p>4. The introduction (literature survey) is not enough and should be more concise to the main topic of your research. Appropriate literature survey should be added.</p> <p>5: The entire manuscript is not in proper format in term of Heading, paragraph setting, tables and section setting, the authors should follow the journal format.</p>	

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	<p>6: In Table 1, the values is not correct in term of subscript and superscript, correct the values.</p> <p>7. In Table 2, correct the symbol for degree centigrade 22°C and insert the space between 220 and °C.</p> <p>8. All images in the manuscript are not clear, use clear images.</p> <p>9. The conclusion is not clear about your work the conclusion should be substantially polished and to the point.</p>	
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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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