

Review Form 1.7

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_114818
Title of the Manuscript:	Production of Metakaolin and Calcium Carbide Residue-Based Geopolymer Concrete with the Taguchi Method
Type of the Article	Original Research Article

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>Compulsory REVISION comments</p> <p>1. Is the manuscript important for scientific community? (Please write few sentences on this manuscript)</p> <p>2. Is the title of the article suitable? (If not please suggest an alternative title)</p> <p>3. Is the abstract of the article comprehensive?</p> <p>4. Are subsections and structure of the manuscript appropriate?</p> <p>5. Do you think the manuscript is scientifically correct?</p> <p>6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</p> <p><u>(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)</u></p>	<p>1. The manuscript is of great importance to the scientific community as it use a byproduct mixed with metakaolin as based material and examines a range of factors that impact the performance of geopolymer concrete, such as the workability,density, compressive strength and flexural strengths of the geopolymer concretes.</p> <p>2. I recommend revising the title for greater precision and specificity.</p> <p>3. The abstract provides a comprehensive overview of the topic</p> <p>4. The structure of the manuscript is appropriate</p> <p>5. I think that the manuscript is scientificlly correct. But, it needs some rectifications:</p> <p>Page 4 : introduction: last paragraph:" Current literature shows that metakaolin combined with CCR to produce geopolymer has only been used to produce geopolymer mortar but not geopolymer concrete" → there is recent study that focus on the geopolymer concrete based on metakaolin and CCR.</p> <p>Page 5 and 6: materials and method: what are the quantity of metakaolin and CCR used to prepare the mix.</p> <p>Page 9and 10 : figure 2 show the some informations presented in table 5. Page 11 : "Where n is the number of observations and yt is the results of the experiment". There is no yt in the equation</p> <p>6. yes</p>	
<p>Minor REVISION comments</p> <p>1. Is language/English quality of the article suitable for scholarly communications?</p>	<p>1. yes</p>	
<p>Optional/General comments</p>		

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

Reviewer Details:

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