

**Review Form 3**

Journal Name:	<b>Journal of Scientific Research and Reports</b>
Manuscript Number:	<b>Ms_JSRR_120702</b>
Title of the Manuscript:	<b>A Review on Recycling Ceramic Waste in Construction: Enhancing Durability and Reducing Environmental Impact</b>
Type of the Article	<b>Review Articles</b>

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**PART 1: Review Comments**

<b>Compulsory</b> REVISION comments	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p><b>Please write few sentences regarding the importance this manuscript for scientific community. Why do you like (or dislike) this manuscript? Minimum 3-4 sentences may be required for this part.</b></p>	<p>This paper provides a synthesis of research on the impact of ceramics on the strength and durability of concrete and mortar in outdoor environments, incorporating results from studies conducted by various researchers. It is evident that this research has a beneficial effect on future studies, especially concerning the enhancement of concrete durability in aggressive environments (such as sulphates, reinforcement corrosion, freeze-thaw effects, etc.) through the use of ceramic waste and recycled materials.</p>	
<p><b>Is the title of the article suitable? (If not please suggest an alternative title)</b></p>	<p>The title of the article is suitable</p>	/
<p><b>Is the abstract of the article comprehensive? Do you suggest addition (or deletion) of some points in this section? Please write your suggestions here.</b></p>	<p>Add a paragraph on the effect of ceramics or the main results obtained from research already carried out on the effect of ceramics on concrete in an aggressive environment (sulphates, freezing and thawing, etc.).</p>	
<p><b>Are subsections and structure of the manuscript appropriate?</b></p>	<p>Subsections and structure of the manuscript are appropriate. However, I noticed the omission of two subsections that discuss the enhancement of concrete or mortar durability in aggressive environments specifically, the effects of carbonation and/or alkali-silica reactions (ASR) when using ceramic waste or powders. Addressing these aspects would provide a more comprehensive understanding of how ceramic materials influence concrete's performance under various aggressive conditions.</p>	
<p><b>Please write few sentences regarding the scientific correctness of this manuscript. Why do think that this manuscript is scientifically robust and technically sound? Minimum 3-4 sentences may be required for this part.</b></p>	<p>The scientific content is acceptable and includes various results on the improvement of concrete using ceramics. However, I suggest supplementing this study with results on the enhancement of concrete or mortar in aggressive environments, such as carbonation and alkali-silica reaction (ASR), using ceramics, mineral additives, and admixtures. Additionally, I recommend strengthening this research by including chemical equations that explain the effects of ceramic components on concrete at the microstructural level. Furthermore, I propose modifying the figures presented in the manuscript, as they are currently illegible and poorly presented.</p>	
<p><b>Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.</b></p>	<p>The references used in this manuscript are sufficient and recent. However, I recommend adding more up-to-date references, such as research findings from the year 2023.</p>	
<p><b>Minor</b> REVISION comments</p> <p><b>Is language/English quality of the article suitable for scholarly communications?</b></p>	<p>The language or English of the article is good and acceptable.</p>	
<p><b>Optional/General</b> comments</p>	<p>From a scientific perspective, the manuscript is acceptable and good. Only a few corrections, as mentioned above, are suggested to improve the quality of the manuscript.</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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