Review Form 2

Book Name:	Engineering Research: Perspectives on Recent Advances
Manuscript Number:	**Ms_BPR_3834**
Title of the Manuscript:	**Use of Calcite and Fly Ash for Manufacturing of Self Compacting Concrete**

PART 1: Review Comments

Compulsory REVISION comments	**Reviewer's comment**	**Author's Feedback** *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
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.	**This manuscript is important for the scientific community as it explores how green materials like calcite and fly ash can improve the sustainability and performance of self-compacting concrete (SCC). It highlights the relationship between workability and strength, providing valuable insights into using supplementary cementitious materials (SCMs) effectively. I appreciate the focus on practical applications and how the results contribute to greener construction practices. Overall, the study offers valuable guidance for producing eco-friendly concrete.**	
Is the title of the article suitable? (If not please suggest an alternative title)	**The title of the article very much reflects the content of the manuscript.**	
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.	**An abstract should clearly summarize the key aspects of your work. Start by stating the purpose or objective, which explains the problem or research question your work addresses and its importance. Then, briefly describe the methodology, including the approaches, tools, or techniques you used. Next, summarize the results or key findings, highlighting the most significant outcomes or contributions. Finally, conclude with the implications, explaining the broader significance of your findings and suggesting possible applications or future research directions. Keep the abstract concise, focusing only on the most important details.**	
Are subsections and structure of the manuscript appropriate?	**All subsections and structure of the manuscript seems appropriate.**	
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.	**This manuscript is scientifically robust and technically sound because it has clear objectives and uses appropriate methods to address the research questions. The data is well-analyzed, and the findings are supported by sufficient evidence. The study is relevant to its field and provides meaningful contributions, making its conclusions reliable and valuable.**	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -	**All references cited in this manuscript are sufficient and relevant to the study. They include recent publications, ensuring that the work is supported by up-to-date and credible sources. This demonstrates a thorough review of the current literature and strengthens the foundation of the research.**	

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Minor REVISION comments **Is the language/English quality of the article suitable for scholarly communications?**	The language and English quality of the article are mostly good for scholarly communication, but some parts could be rephrased for better clarity. Simplifying complex sentences and improving the structure would make the article easier to read and help convey the ideas more clearly.	
Optional/General comments	1) Introduction Consider rephrase this word: Green concrete has nothing to do with color. 2) Role of Green Material for Sustainable Development • Explain more detail and example in each bullet point to expand the idea. (Example : Explain how green materials encourage the use of supplementary cementitious materials (SCMs), like fly ash or slag, to replace traditional cement. Highlight the benefits, such as reduced carbon emissions, improved durability, and better sustainability in construction. Include simple examples or applications to show their practical use) 3) Chemical Properties of cement, calcite and fly ash • Explain what contribution of each chemical properties and differentiate how this can contribute to concrete strength 4) Effect of Scms on workability • Do a conclusion based on the data review given as in effect of scms on strength 5) Do a conclusion for splitting tensile test as in effect of scms on strength 6) Conclusion • Add a relationship between workability and strength test. How reliable this test for the used of calcite and fly ash to SCC. Consider remove flexure as there is no data on flexure test. From all the data give the best results and how this results contribute a development of production of green concrete.	

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

Reviewer Details:

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