

Review Form 3

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_126104
Title of the Manuscript:	Research Progress on Properties of Fiber Ce-ment-based Composites
Type of the Article	Review Article

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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.	The manuscript on the properties of fiber cement-based composites is significant for the scientific community as it addresses the growing demand for sustainable and durable construction materials. By exploring the mechanical, thermal, and durability characteristics of these composites, the research contributes valuable insights that could enhance building performance and longevity. Furthermore, the integration of fibers into cement matrices can lead to innovations in reducing resource consumption and improving environmental impact, aligning with global sustainability goals. I appreciate this manuscript for its comprehensive approach and its potential to inspire future research and development in composite materials.	
Is the title of the article suitable? (If not please suggest an alternative title)	Title need to be Change according to the project	
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.	The abstract effectively outlines the key aspects of the article, highlighting the benefits of fiber addition to cement-based composites and the variety of fibers used. However, it could be improved by including a brief mention of specific applications or industries where these composites are particularly beneficial. Additionally, clarifying the existing problems and challenges in the field could provide more context for future research directions. Lastly, a summary of the main findings or conclusions regarding the effects of steel fiber on rheological properties would enhance the abstract's comprehensiveness.	
Are subsections and structure of the manuscript appropriate?	yes	
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 appears to be scientifically robust and technically sound due to its comprehensive review of the existing literature on fiber cement-based composites. It effectively integrates findings from various studies, providing a balanced perspective on the mechanical and rheological properties influenced by different types of fibers. The emphasis on empirical data and specific performance metrics strengthens its credibility, while the analysis of current challenges and future research directions demonstrates a thorough understanding of the field. Additionally, the discussion surrounding the implications of these properties for practical applications highlights the manuscript's relevance to both academic and industrial audiences, further reinforcing its scientific validity.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.	Yes	
Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments		

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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:

Name:	Modugu Naveen Kumar
Department, University & Country	Holymary Institution of Technology and Science, India