

Review Form 3

Journal Name:	Advances in Research
Manuscript Number:	Ms_AIR_125657
Title of the Manuscript:	Microstructural study of recycled aggregates concrete based on scanning electron microscope technique
Type of the Article	Opinion Article

Review Form 3

PART 1: Review Comments

<u>Compulsory</u> REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
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 due to micro structure analysis of recycled aggregate concrete which is very important to understand the interfacial bond between the aggregate and cement matrix and to understand the C-S-H layers formation with in concrete.	
Is the title of the article suitable? (If not please suggest an alternative title)	Title of the article need to be revised as no need to mention the technique of microstructure analysis in the title.	
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.	State of the art/introduction of the recycled aggregate concrete is missing in the Abstract. It need to be incorporated in the revised manuscript. Abbreviations need to be incorporate in the abstract like RAC for recycled aggregate concrete if the word is repeating.	
Are subsections and structure of the manuscript appropriate?	Subsections are appropriate. But every section should start with heading writing first capital letter word and must be bold heading.	
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.	Literature study about the mechanical and durability properties of recycled aggregate concrete must be included in the introduction section. Microstructure analysis section must include the SEM figures and effect of percentage of recycled aggregate in concrete and methodology used for the preparing recycled aggregate on microstructure of concrete.	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. :	More recent references must be added. I suggest one reference. Title: Predictive performance assessment of recycled coarse aggregate concrete using artificial intelligence: A review DOI: https://doi.org/10.1016/j.clema.2024.100263	
<u>Minor</u> REVISION comments Is the language/English quality of the article suitable for scholarly communications?	Use the subscript in the formulas like Ca(OH) ₂ . And also used abbreviation for repeated words.	
<u>Optional/General</u> comments	At least 4-5 keywords must be there in keyword section. Conclusion must be point wise and rephrased. Durability section and mechanical property section includes more parameters like split tensile strength, flexural strength, sorptivity, rapid chloride penetration test.	

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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:

Name:	Sagar Paruthi
Department, University & Country	DPG Institute of Technology and Management, India