

Review of: "Preparation of Artificial Aggregate Using Waste Concrete Powder And CO₂ Fixed By Microorganisms"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

Overall the paper is good. I will say the paper needs minor revisions, However some changes need to be made before the paper is accepted.

1. Please provide an XRF spectra figure for WCP (if available).
2. There is no ASTM or other standard code mix design in the paper.
3. Kindly provide proper standard codes for compressive, tensile and other tests.
4. The results of experimental work need to be discussed more with relevant references.
5. Explain the conclusion section properly.
6. The introduction section is too short. kindly add more literature (relevant)

To improve the quality of the paper, the author(s) is also advised to take the data and cite the following papers in their manuscript

A step towards sustainable glass fiber reinforced concrete utilizing silica fume and waste coconut shell aggregate (2021)" **Journal: Scientific Reports**

A Study on the Mechanical Characteristics of Glass and Nylon Fiber Reinforced Peach Shell Lightweight Concrete (2021)" **Journal: MDPI Materials**

Impact of Incorporation of Rice Husk Ash instead of Cement on Performance of Steel Fiber Reinforced Concrete (2021)" **Journal: Frontiers in Materials**