

# Review of: "The Effects of Polypropylene Wastes on the Compressive Strength of Grade 25 Concrete"

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**Potential competing interests:** No potential competing interests to declare.

- **Abstract:** The abstract should be recast. The use of 5%, 10%,...and 20% should be 5, 10, 15, and 20%. "Respectively" should be expunged after 28 days.
- **Introduction:** The second sentence of the last paragraph could be recast to: "This will lead to reduction of environmental pollution and promotion of circular economy."
- **Materials and Methods:** The use of 5%, 10%, 15%, and 20% should be 5, 10, 15, and 20%. Recast the second sentence. There is no need for "respectively" after "replacement by weight." Hence, by weight of what? The dimensions should be changed to 100 x 100 x 100 mm. The mix proportion used for concrete production, water-cement ratio, and curing age/method is not stated.
- **Results and Discussion:** "Test" should be expunged from results (sieve analysis, slump, water absorption, and compressive strength). The sieve analysis of coarse aggregate does not reflect in Figure 2, as stated in the results. The particle size distribution of sand and PP lacks discussion of results. Fineness modulus, an important property of sand for concrete production, ought to have been calculated and discussed.
- **Presentation of the slump and water absorption results** will be suitable using graphs than tables.
- **Remark:** The article requires technical improvement.