

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.

Dear authors, after reading the analysis, I indicate that the article should only proceed for publication after analyzing the following points:

Abstract: This topic must contain enough information for the reader to understand all the experimental procedures of the research. Therefore, some details are missing, such as the methodological procedures used.

Introduction: There are some statements that need to be referenced.

Research from 2008 is very old; it is necessary to analyze more recent research. As it is a very studied topic, there is no doubt that we have more recent work.

The main point of the work is to highlight its difference in relation to others and make it clear what the difference is in using polypropylene instead of using PET, PE, LDPE, and HDPE.

Materials and Methods: What is the nature of the materials obtained?

In general, methodological procedures need to be better detailed. What are the various standards used for particle size, slump, and water absorption tests?

Results: It is necessary to indicate in the methodologies the standards used to carry out the tests (particle size, slump test, specific gravity, and water absorption). It is better to discuss the results found based on previous research and even make a comparison with research cited in the introduction that used other polymeric materials.

Conclusions: The data cited in the conclusion needs to be better clarified in the results and discussions. Another important point is that it cannot be concluded that the use of polypropylene is viable solely based on these tests, and deeper research is needed to be able to confirm this. Therefore, I suggest that you highlight this situation at the end of the article.

Yours sincerely,

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