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 and Introduction – Ensure the sentences are well-structured and have suitable grammar. Use precise scientific terminology or language. The interpretation of results is slightly rephrased for better readability and impact, ensuring that the significance of the findings is well communicated.

Introduction – Simplify difficult sentences and arrange information rationally to increase clarity. Make sure to update references to reflect more recent research.

Methodology – By addressing these points, the "Materials and Methods" section will be more comprehensive, detailed, and scientifically rigorous, ensuring that the study can be accurately replicated and validated. Provide detailed descriptions of all materials, including properties and preparation methods. Clarify the mix design, water-cement ratio, and curing conditions used in this study.

Results and Discussion – In general, please include summaries and analyses of the results within the text, explaining the significance and implications of the findings. Discuss how the results compare with existing literature and what they imply for the use of polypropylene in concrete.

The results are presented in Table 2, showing a trend of decreasing water absorption up to 10% PP and then increasing at higher percentages. This observation should be further analyzed to explain why higher PP content increases water absorption.

The description of the results is somewhat vague. Providing specific numerical values for compressive strength at different percentages and curing durations would enhance clarity. The observation of an initial decrease in compressive strength at 5% PP followed by an increase at 15% is interesting but requires a more detailed explanation. It would be beneficial to include possible mechanisms for these changes, supported by data or references to similar studies.