

Review of: "Shear performance of polypropylene fiber reinforced high-strength self-compacting concrete beams"

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Potential competing interests: No potential competing interests to declare.

This manuscript is well written, and the novel work is clear. The paper can be accepted after some minor revisions. The authors are encouraged to incorporate all the comments in the revised version of the manuscript:

- Many papers were not covered in this paper. The authors must cover almost all publications to summarize the data. This topic is very broad, and the authors cannot cover just very selective papers among many.
- The introduction of the manuscript should address gaps or areas of disagreement within the existing literature that have motivated the research. It should clearly articulate the purpose and objectives of the study, setting the stage for the reader to understand the significance of the research endeavor.
- What about the physical and chemical properties of the materials used in the study?
- Results are another area that must be logically explained. First, the results of the study are written, followed by a description of the scope and characteristics of the study, the quality of the study, and finally, a discussion of the impact of the intervention on the conclusions.
- The Discussion summarizes the main findings of the study and further discusses the limitations of the study and the reliability of the results. Finally, the strengths and weaknesses of the study must be discussed with implications for current methods. The authors could refer to the studies below;

<https://doi.org/10.1016/j.jobbe.2022.105079>

<https://doi.org/10.1007/s41062-023-01257-9>

<https://doi.org/10.1016/j.matpr.2023.03.151>

<http://www.pertanika.upm.edu.my/pjst/browse/archives?article=JST-1108-2018>

- To enhance Section 3, Discussion and Conclusion, a more comprehensive discussion of the obtained results is needed. Specifically, the technical reasons behind both the increasing and decreasing trends in results with varying replacement levels should be thoroughly addressed for all tests. This will provide a deeper understanding of the observed patterns and contribute to a more thorough and insightful interpretation of the findings.
- Beyond the report of the findings from the existing work, what are the authors' own insights and outlook about this topic, and what knowledge is advanced from the findings of the present study?
- For all tests, specify the standard/specification requirements using international standards/specifications.

- Please make sure that all paragraphs in the manuscript are justified, maintaining consistency and improving overall readability.