

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.

- In the present paper, the authors have studied experimentally the shear performance of polypropylene fiber reinforced high-strength self-compacting concrete beams
- The outcome of this research is significant in providing useful information about the effects of fibers on self-compacted concrete.

However, the paper needs significant improvement before it can be suggested for publication. It is suggested to re-submit a thoroughly revised version of the manuscript, taking into account the following comments, which are listed below (in no particular order of importance):

1. The writing grammar needs to be rechecked.
2. Abstract to be enriched briefly with some numerical result.
3. Please provide some pictures for:
 - Fiber properties and a figure illustrating the used fiber
 - Concrete mixture after adding the fibers
 - Test setup and beam specimens.
4. In Load-Deflection figures, change the caption on the x-axis to "Deflection at mid-span (mm)."
5. Please enrich the discussion section with more data and discussion, and it is recommended to compare your results with similar work briefly if possible.
6. Please mention the type of loading test (load control or displacement control).
7. Please enrich the manuscript (Introduction) by citing some recent articles; below are some recent studies:
 - <https://www.mdpi.com/2073-4360/15/15/3320>
 - <https://www.sciencedirect.com/science/article/pii/S2590123024000781>
8. Any recommendations for future direction research.

