

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.

The authors attempted to evaluate the contribution of polypropylene fiber to beams tested under four-point loads. The following issues need to be addressed by the authors:

- 1- Give details of limestone powder and whether it was fired/not fired.
- 2- The steel ratio is relatively high if the diameter is 16mm.
- 3- Explain the symbols D_m/D_M .
- 4- All beams fractured by shear stress, but there are several flexural cracks, and in most beams, there is no major diagonal crack.
- 5- Did the steel bars reach yield strength?
- 6- In conclusion:

Flexural cracks in the beams with polypropylene fibers are shorter; on the other hand, shear cracks appear longer in the beams with more polypropylene fibers. It is very difficult to make such a conclusion. Revise.