

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 research considers looking for alternatives to steel fiber-reinforced concretes. The paper requires major review before further consideration:

1. Full of grammatical errors and *ambiguity* of sentences. For instance, 'To increase the tensile strength, usually the concrete *was added by* fiber materials'.
2. The 'Introduction' section has the sentence 'Therefore, another fiber material was developed and used in concrete such as steel fibers, glass fibers, carbon fibers, and polypropylene fibers'. The authors should not have included steel fibers in the examples considering the developments.
3. More information is required for the 'Introduction' section. For instance, applications for the various categories of beams, high-strength self-compacting concrete definition, etc.
4. 'Main materials of concrete (Portland cement, water, aggregates) were taken from local sources'. The local sources should be mentioned.
5. The sentence 'The mix proportions were chosen to produce nominal cube compressive strengths of 80 and 90 MPa, as explained above' is to be restructured or deleted.
6. Table 2 parameters, such as compressive strength, have no units attached.
7. 'Passing Ability' column in Table 2 should not have % attached to all the numbers but only at the 'top'-- where the title is.
8. All images must be improved. I recommend the use of Origin or Matlab to draw more professional plots.
9. Sections 3 - 'Discussion' and 'Conclusion' are problematic. The discussion should be thoroughly undertaken with references (thought-provoking comments, etc.) and must be separated from the conclusion.