

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

Merve Sahin Yon¹

¹ Munzur University

Potential competing interests: No potential competing interests to declare.

First of all, I would like to congratulate you for carrying out this physically demanding work.

In that context, some sections of the manuscript have to be rearranged. I made some suggestions below. This study investigates some fresh and hardened properties of polypropylene fibers in self-compacting concrete. Therefore, the manuscript should be improved. More specific comments are below:

- **Abstract**

- In this section, it should be stated numerically which fiber ratio gives good results in which series.

- **Materials**

- Although it is stated in the abstract section that 18 beams were cast, why is the mixture ratio of 8 given in the table?
- I would like to add images of all materials used.
- The ratios of the mixture codes in Table 1 should be explained in detail in the text.

- **Specimen description**

- Reference should be made to the EFNARC regulation in the text.
- While it is said that 16 beams were cast in this section, the abstract indicates 18 beams. There should be harmony between them.
- Additionally, the statement that all beams are 120 mm wide, 200 mm deep, and 1600 mm long does not comply with the abstract.
- Figure 1 is not emphasized in the text.
- The actual dimensions of the beams should be shown in figure 2.
- Explanations of all abbreviations in the text should be given.
- It is recommended to draw beam dimensions in figure 9.
- The number of references should be increased.

The manuscript, as presently constructed, needs significant re-focusing and better documentation. Consequently, in my opinion, the paper needs major revision.