

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

Hamid Reza Darvishvand<sup>1</sup>

<sup>1</sup> Qazvin Islamic Azad University

**Potential competing interests:** No potential competing interests to declare.

Thank you for allowing us to review the current research. My opinion is that the study conducted in the current format has not achieved the research objectives. My point of view is as follows:

1. The results in Figure 1 do not seem reasonable. It should be expected that with the increase in the compressive strength of concrete, its tensile strength will also increase.
2. Why is the length-to-height ratio of the beam chosen large? In long beams, flexural failure should be expected to dominate. While the main topic of the current research is to investigate the shear behavior of fiber concrete, it is suggested that by reducing the length of the beam, the flexural failure of the section is prevented so that the shear failure of the section can be better studied.
3. Some conclusions are expressed outside the framework of the research conducted. For example, no figure is provided in the text regarding energy absorption.
4. Use more recent references.

Thank you