Review of: "Analytical Study and Amelioration of Plastic Pavement Material Quality"

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Potential competing interests: No potential competing interests to declare.

The study used polyethylene terephthalate (PET) and polypropylene (PP) binders for plastic coating production. The two plastics were combined with sand separately and in triplicate as sand+PET+PP at different concentrations to produce pavements from waste plastics, and mechanical tests of the pavements were carried out.

It was a good study regarding the production of more resistant pavements and the reduction of waste.

My comments for the manuscript are as follows:

- In Figure 6, the y-axis spelling coincided with the figure, and polypropylene was written as “pp. Likewise, the conflict in Figure 8 should be corrected.
- In Figure 10, expressing the y-axis as "values" is not appropriate. It would be more appropriate to write "Density (g/cm3)" instead of "values." The graphic title can be removed. The last sample in the exact figure is incomplete when given the percentage ratios; it should be completed (The same situation is the same in Figure 11).
- The pavements produced are mechanically robust, but it may be a disadvantage that they have smaller pores and water cannot easily pass through them because the high runoff coefficient of the produced pavements may increase the risk of flooding and inundation in seasons with heavy rainfall. Therefore, producing more permeable pavements with a low runoff coefficient and considering the environmental aspects of the pavements can be considered alternatives for future studies.

Thank you.