

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 manuscript entitled "Analytical Study and Amelioration of Plastic Pavement Material Quality" is seeking to analyze and ameliorate plastic pavement qualities in order to redefine the qualities of the existing plastic pavement in Cameroon. In this research, polyethylene terephthalate (PET) and polypropylene (PP) were used as binding materials for the production of plastic pavement.....However, several issues should be fixed before publication.

The abstract should be more specific, focusing solely on the key results. The article would benefit from more updated and latest literature references to contextualize its findings within sustainable construction materials research.

Expanding the methodology section with precise sample preparation and testing details is needed; for example, on page 5, "The melted plastics were stirred for 10 minutes, and the right proportion of sand was added to the melted plastic in the chamber. The final combination was stirred for 25 minutes before being poured into the molds," Please describe the complete detailed process, and it will be better to use experimental schemes. Please conduct citations for this part.

Improvements in data results, especially graph quality (unify figure style) and the way of its illustration, are needed. Also, more detailed statistical analysis would enhance data comprehension. Further investigations are needed for the long-term durability of these pavements, including a comparative study with existing traditional materials.

Please conduct complete data analysis and provide data sources regarding all figures.

References should be updated with the latest modern studies.