

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

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Potential competing interests: No potential competing interests to declare.

Dear Professor,

Thank you for choosing my name to evaluate the manuscript entitled "Analytical Study and Amelioration of Plastic Pavement Material Quality."

This article deals with the analysis and amelioration of plastic pavement qualities in order to redefine the qualities of the existing plastic pavement in Cameroon. Polyethylene terephthalate (PET) and polypropylene (PP) were used as binding materials for the production of plastic pavement, and the effect of combining the two plastics for the production of a single pavement was studied to determine the impact of their combined binding characteristics as well. The study was done through some physical and mechanical tests.

It can be concluded that, using only 25% polyethylene terephthalate for the production of a plastic pavement, the pavements could be used in monument premises and water-locked areas. Using 30% PP, the pavement could be used in streets and yards, while using 20% PP plus 10% PET, the pavement would be used in less-traffic areas.

This work is considered to be good applied work that contributes to solving one of the most important environmental problems, which is the accumulation of non-degradable plastics, in addition to obtaining useful building materials for paving roads.

I suggest the acceptance of this work after taking the following points into consideration.

- The language of the whole manuscript should be re-edited.
- Why did the percentage of PET not exceed 30% ?
- Figures 1, 2, and 3 take a lot of space; they should be minimized and merged into one figure.
- References should be up to date as they are very old.