

# 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 article has some shortcomings that need to be remedied:

\* The author does not present a mineralogical characterization of the sand used, nor does he define the granulometry of the material;

\* It is noted that the plastic acts as a binder in the mixture, but there is also no proper characterization of the material, with no knowledge of its viscosity and adhesion and cohesion properties when incorporated into the sand;

\* Porosity properties were attested to, but the author did not pay attention to assessing the damage that long-term humidity can cause in the mixture;

\* It is believed that the material has potential for use; however, this may not be economically viable given the low fatigue life cycle of the mixture because, due to the high rigidity of the mixture, coupled with the high viscosity of the plastic, and the machining temperature, the mixture tends to crack quickly. It would be interesting to carry out fatigue tests on the material.

The research therefore has potential, but it is up to the authors to carry out more detailed analyses in order to evaluate these aspects.