

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

Fahad Mohanad¹

¹ Al-Nahrain University

Potential competing interests: No potential competing interests to declare.

1. What are the challenges posed by solid waste in most urban communities, and how are these challenges being addressed in the research discussed in the manuscript?
2. What were the specific percentages defined for the binding characteristics of polypropylene (PP) and polyethylene terephthalate (PET) in the formulation of plastic pavements, and how did this impact the strength of the pavement samples?
3. Based on the results obtained from the research, in what types of areas could the plastic pavements be used when formulated with 25% PET, 30% PP, and 20% PP plus 10% PET, respectively?
4. How did the flexural strength of the plastic pavements vary with an increase in the plastic quantity in the formulation, and what implications does this have for pavement quality?
5. What were the specific physical properties of the plastic pavement formulation containing 25% PET, and in what kind of areas could this formulation be considered among the best for adoption?