

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

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Potential competing interests: No potential competing interests to declare.

Letter to the Authors

Dear Authors,

I have thoroughly reviewed your manuscript submitted to Qeios Journal titled **'Analytical Study and Amelioration of Plastic Pavement Material Quality.'** Your work addresses a significant topic in sustainable materials, focusing on the use of polyethylene terephthalate (PET) and polypropylene (PP) in pavement production. However, there are several areas where improvements are necessary to enhance the manuscript's quality and contribution to the field.

1. **Clarity and Coherence:** The objectives and scope of your study need to be more clearly defined in the abstract and introduction.
2. **Literature Review:** Expand your literature review to include a broader range of relevant studies, providing a more comprehensive context for your work.
3. **Methodological Detail:** Please provide more detailed information on materials and methods, ensuring the study can be replicated accurately.
4. **Experimental Design:** Clarify the rationale behind the chosen ratios of PP and PET in your mixtures.
5. **Data Presentation:** Improve the clarity of your data tables and figures, ensuring they are well-labeled and explained.
6. **Statistical Analysis:** Incorporate a more robust statistical analysis to validate your findings.
7. **Comparative Analysis:** Provide a more detailed comparison with existing pavement materials.
8. **Interpretation of Results:** Ensure your conclusions are fully supported by the presented data.
9. **Environmental Impact:** Discuss the environmental implications of using plastic in pavement materials.
10. **Long-Term Durability Analysis:** Address the long-term durability and performance of the pavement materials.
11. **Practical Applications:** Clearly outline the practical applications and limitations of your findings in the conclusion.
12. **Novelty and Contribution:** More clearly articulate the novel contribution of your work to the field.
13. **Referencing:** Update and correct the referencing and citations throughout the manuscript.
14. **Technical Language:** Review and ensure consistent use of technical terms.
15. **Formatting:** Ensure the manuscript adheres to the journal's formatting and structure guidelines.

Furthermore, I recommend a thorough review of the manuscript's language to enhance its clarity and readability.

I believe that addressing these points will significantly enhance the quality of your manuscript, making it a valuable



contribution to the field.

Sincerely,