

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

Gonzalo Martínez-Barrera<sup>1</sup>

<sup>1</sup> Autonomous University of Mexico State

**Potential competing interests:** No potential competing interests to declare.

In general, the topic addressed in the paper "Analytical Study and Amelioration of Plastic Pavement Material Quality" by N.C. Wiryikfu, et al., is very interesting. The paper shows novel results in the field of pavements. Meanwhile, the paper needs major modifications in order to be suitable for publication in Qeios.

Please find below a list of observations:

1. Abstract: It is convenient to write down the composition of the pavement, i.e., the materials used for its manufacture. In addition, write about the percentages of improvement obtained by the specimens.
2. Keywords: Add the term "polymer waste."
3. Page 3, 3<sup>d</sup> paragraph: What does "high and low plastic" mean?
4. Before paragraph 2: What does "simple" mean? In reference to pavement.
5. Page 5: It is recommended to elaborate a table with the data of the formulations pointed out in the first paragraph.
6. Page 5: Improve the editing of formulas 1 to 5. Numbers 1 and 3 are confusing.
7. Page 6: Rewrite  $V = l \times w \times t$  (length, width, and thickness).
8. Page 6, last paragraph: Put the symbol in "The maximum ultimate stress ( )."
9. Figure 6: It is necessary to write the units, i.e., MPa.
10. Figures 7, 8, and 9: Correct "Mpa." (Should be "MPa" for megapascals.)
11. Figures 10 and 11: Delete "Values in" on the Y axis.
12. Figure 12: It is not recommended to add results of other studies performed by other authors. These can be written and discussed in the previous paragraph or the subsequent one, but not in the graphs.
13. Why are there "other references"? Explain. All references should be placed in a single section.

