

Review of: "Investigation of the Dielectric Behaviour of Propylene Glycol (100) Dispersed With Graphene Nano Powder to Determine the Optimal Conditions Using Response Surface Methodology"

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Potential competing interests: No potential competing interests to declare.

The manuscript "Investigation of the Dielectric Behaviour of Propylene Glycol (100) Dispersed With Graphene Nano Powder to Determine the Optimal Conditions Using Response Surface Methodology"

The work is written well and is suitable for publication after modification; below are my comments:

- 1- In the abstract, please add more important findings from your work.
- 2- More discussion about RSM is needed.
- 3- The aim of the work should be in the introduction section.
- 4- The paragraph 'Carbon atoms in a two-dimensional honeycomb crystal lattice form graphene and other carbon nanostructures' is meaningless.
- 5- The paragraph, "Graphene is the most robust and thinnest material in the world, existing in two dimensions. In 2012, the" in the experimental section should be in the introduction.
- 6- The physical explanation of results should be included.
- 7- Language must be improved.
- 8- Please add more references about graphene and carbon nanotubes applications like :

<https://doi.org/10.1007/s10853-022-07524-x>; <https://doi.org/10.1016/j.inoche.2023.110624>;
<https://doi.org/10.1007/s42823-023-00548-6>