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"

Amir Zada[1]

1 Abdul Wali Khan University Mardan

Potential competing interests: No potential competing interests to declare.

In this article, Surakasi et al. described the “Investigation of the Dielectric Behaviour of Propylene Glycol (100) Dispersed With Graphene Nano Powder to Determine the Optimal Conditions Using Response Surface Methodology” in detail. The samples are accurately characterized, and the work has been presented in an excellent way. However, at this stage, it further needs to be polished, and some questions must be addressed before its acceptance.

1) The English language is poor and needs careful attention.

2) In the introduction part, many small paragraphs have been presented. These paragraphs must be combined to a maximum of 4. They should be more meaningful and attractive, should explain the research gap and the shortcomings and advantages of nanofluids in detail, what other researchers did, and what you performed to solve the problems.

3) The enhanced electrical conductivity must be explained with reasonable discussion.

4) Some well-known citations are missing.

i) https://doi.org/10.1016/j.jmrt.2023.03.056

ii) https://doi.org/10.1016/j.saa.2020.118303

iii) https://doi.org/10.3390/membranes11060450

iv) https://doi.org/10.1016/j.diamond.2022.109077

v) https://doi.org/10.1016/j.diamond.2020.107897

vi) https://doi.org/10.1002/pi.6274