

Review of: "Experimental Behavior of Solar Still Using Mixed Oxides Mn-Fe/Silicone Resin Composite as Selective Solar Absorber"

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Potential competing interests: No potential competing interests to declare.

1. The manuscript cites only a limited number of references (till 2021). Enhancing the introduction with recent references (after 2021) concerning selective coating materials and various still designs would substantiate the research's innovative aspects and also be used for comparison (between productivity and efficiency) in order to see the commercial viability of the proposed distiller.
2. Equations should be written properly. In addition, on Page 6, "Where H , the daily insolation, is given by" is not properly written.
3. In section 3.2, a conclusive para is required regarding the most suitable combination that can be used for selective coating in solar stills. Additionally, the authors should add suitable text regarding consideration of 2.3%, 4.9%, 9.1%, 13% of coating concentrations.
4. The entire manuscript requires a thorough review for typographical and grammatical errors, and numerous sentences also need rephrasing.
5. Incomplete text: "Construction of Solar Still." See Table 2 (Sample α (%) ϵ (%)). What is this text?
6. In Fig. 7(a), the green-coloured line shown in the legend is missing in the plot.
7. In the efficiency section, efficiency-related text and figures are missing.
8. The authors performed experiments for a number of days from Oct to March "Taking into account the above, calculations have been made for different days, the data used ranges from the month of October to the month of March. Table 3, by way of example, shows the values of water production, useful heat, daily insolation, and efficiency of the device for some days in March. For these days, a maximum efficiency value of 27% was..." but provide information only for a day in the figures.
9. Limitations and future scope should be included in the conclusion part.