

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

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Potential competing interests: No potential competing interests to declare.

In this manuscript, Mn-Fe/silicon resin composite was synthesized and considered as a potential solar absorber for water distillation. Although this is an interesting topic, some aspects should be re-considered by the authors in order to make it acceptable for publication.

- 1) I agree with Zeynab Dehghan's and other reviewers' comments. The innovation for the research undertaken has not been well explained.
- 2) How did the authors determine the ICDD-PDF? Which software was used?
- 3) It needs to use parentheses to show planes in XRD.
- 4) XRD comments need to improve. It is interesting why they observed (222) with high intensity. Why did they observe three different phases in this pattern? Why is there a single XRD pattern? I see 2.3%, 4.9%, 9.1%, and 13% mixed oxides of Mn-Fe. It needs to be seen changing.
- 5) Is the 82.59% transmittance high? What is the ideal value? It needs to be compared to the literature. Both transmittance and absorbance values seem very high. Why?
- 6) It may be good to give a table or information about ratios in Figure 3. Why did the authors choose this ratio? Or what is the meaning of this value?
- 7) It needs more discussion about structural properties. What did they observe in SEM?