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

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Potential competing interests: No potential competing interests to declare.

Dear Editor,

I completed the reviewing process of the manuscript “Experimental Behavior of a Solar Still Using Mixed Oxides Mn-Fe/Silicona Resin Composite as a Selective Solar Absorber.”

The authors tried to construct a solar still from mixed oxides of Mn-Fe/silicona and used it to distill seawater. The techniques and methodologies used are basically not new; however, the authors tried to find some optimum thickness of the condenser, the oxides %, and roughness values that give maximum yields of 2.8 L/day. Still, this value is small. Before considering the article for acceptance, the authors must rewrite some sentences; there are sentences that are not clear and have typographic errors. Moreover, the discussions for each graph are not sufficient. There are also some contradicting concepts like the remittance formula and the absorbance formula () are the same, but figures 3 and 4 give different results. In Fig. 7(a), two legends are for the western condenser, but only one curve is seen for the western condenser. The units for the vertical axis in Fig. 7 (a and b) are not indicated.

The wavelength values that correspond with the maximum absorbance, emittance, and transmittance have to be stated with why these values give maximum. In addition, the different peaks of these graphs have to be discussed in detail. In the introduction section, the wavelength range of infrared has to be considered.