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.

This paper studies the experimental behavior of a solar still using mixed oxides Mn-Fe/silicone resin composite as a selective solar absorber. The hybrid material used as a selective coating in the still exhibited a high solar absorbance of 91.82% and a relatively low infrared thermal emission, less than 57.22%. The ideal solar absorber should exhibit high absorptance (>0.95) in the wavelength range from 0.3 up to 2.5 μm and low emittance (<0.10) in the infrared region (2.5-25 μm) at the operating temperature of the device. It is better to have a benchmark for different solar absorber materials, including absorptance, emittance, thermal efficiency, et al.