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.

Review of the manuscript entitled ‘Experimental Behavior of Solar Still Using Mixed Oxides Mn-Fe/Silicona Resin Composite as Selective Solar Absorber’

Authors have studied the optical properties of a black pigment of mixed Mn-Fe oxides synthesized by the precipitation method, dispersed in silicone resin in different concentrations, as well as different thicknesses of float glass with 0.1% of Fe2O3 for use in the construction of a two-slope passive solar still.

- The introduction must be modified with details of the motivation of the study.

- The paragraph starting with ‘In order to optimize the performance of the solar still, different variables related to the crystal structure, the optical properties of the materials used for the construction of the solar still, as well as their morphology, were studied. The thickness of the collector glass cover, the influence of the concentration of mixed Mn-Fe oxides dispersed in the silicone resin on the absorption and emittance, and the morphology of the samples were considered.’ Must be included in the introduction.

-‘Fig. 5 is an example image of the surface, obtaining roughness values of 4312.558 nm’ Are you sure with such a resolution.

- Fig. 7, there are two western condensers.

- Explain what the eastern or western condenser is,

- Explain how you calculate the efficiency,