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.

The paper is devoted to a vitally important subject, namely obtaining pure desalinated water using solar radiation. The paper presents interesting results, but there are some comments as follows.

1. The authors do not clearly emphasize the novelty of their work. A comprehensive comparison with the literature data is also needed.
2. Regarding the material of the two-slope condenser, the authors use float glass with 0.1% of Fe2O3, but there is no explanation or reasoning for such the choice. What about other sorts of glass? Maybe there are better candidates for the condenser?
3. No information on the durability of the studied Mn-Fe/silicone resin composite is presented in the paper.
4. Since mixed-oxide Mn-Fe is a pigment and is used for absorbing light, it is very strange that the sample with lower (2.3%) Mn-Fe concentration absorbs more than other samples (4.9%, 9.1%, 13%). That issue should be explained.
5. Section 3.3 simply states that roughness of the samples was obtained. Neither discussion nor usefulness of those studies is presented in the manuscript. The influence of the roughness on solar still efficiency has never been discussed in the paper. So, that section looks excessive.
6. The authors calculated the spectral emittance of the pigment in the range of 2500-25000 nm using the expression $\varepsilon(\lambda)=1-\rho(\lambda)$, which is true only for non-transparent materials. However, there is no data on the transparency of the samples in the mentioned spectral region.
7. After expression (4), the small letter “x” should be substituted by a cross-sign.
8. The paper contains numerous typos and grammar issues and must be carefully proofread.

In summary, a major revision of the paper is required before further review is made.