

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

Mojgan Ghanbari¹

¹ University of Kashan

Potential competing interests: No potential competing interests to declare.

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

The approach is interesting, and the topic is appropriate. Some modifications and improvements (major revisions) are needed to enhance the quality of the paper.

1. The abstract should be started with a short introduction to the current problem(s) and the solution, based on the current study, in one or two lines.
2. In keywords, please do not use words that are already in the title.
3. The novelty of the research should be added in the Introduction section.
4. The introduction can be improved by providing a more critical discussion of recent related literature. Discuss the shortcomings of previous work and the gaps and how this work intends to fill those gaps. For example, some papers such as Journal of Hazardous Materials 389 (2020): 122079; Ecotoxicology and Environmental Safety 208 (2021): 111712; Journal of Molecular Liquids 349 (2022): 118443; Separation and Purification Technology 253 (2020): 117526; Inorganic Chemistry Frontiers 8, no. 10 (2021): 2442-2460; RSC advances 11, no. 36 (2021): 22238-22249; Inorganic Chemistry, 57 (2018) 11443–11455, should be cited.
5. The structure of the paper needs some revision.
6. The logic of the work is not clear.
7. In the current state, there are some typographical errors. Therefore, the authors are advised to recheck the whole manuscript for improving the language and structure carefully.
8. The results must be compared with data on other compounds reported in the literature; otherwise, it is difficult to judge the actual impact/improvement beyond the state of the art of the present approach.