

Review of: "Evaluating the effect of shelf-storage, daylight, and air oxygen on the peroxidase-like activity of unmodified silver nanoparticles"

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Potential competing interests: No potential competing interests to declare.

In general, this manuscript describes relatively simple, however, important studies concerning the stability of silver nanoparticles. I have several comments and questions:

- What was the role of citrate during the synthesis? Is it justified to treat the obtained NPs as unmodified? In my opinion they are citrate-stabilized.
- Why does the Author use a term 'specific activity' (e.g. in the abstract - page 1, page 4). Is it really a specific activity?
- What are the semi-peroxidase properties (page 2)?
- Please directly inform the readers what does it mean 'extreme environmental conditions' (page 2).
- TMB does not probably work at pH 0.4 (page 3)
- The legend to figure 2 should be corrected as it shows the spectra of solutions containing TMB treated with hydrogen peroxide of different concentrations, not the evaluation of the peroxidase-like activity of AgNPs.
- In my opinion the language must be improved throughout the manuscript.