

Review of: "Determining kinetics parameters of bovine serum albumin-protected gold nanozymes toward different substrates"

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Potential competing interests: No potential competing interests to declare.

I have read and reviewed the manuscript titled *Determining kinetics parameters of bovine serum albumin protected gold nanozymes toward different substrates* by Saeed Reza Hormozi Jangi.

The study is interesting and the results found are promising, although I consider that it must be thoroughly corrected in order to be published. If the author takes into account all the suggestions received by the other reviewers, the manuscript could be substantially improved. I list some recommendations:

The manuscript contains too many grammatical, syntax, typographical and spelling errors (check carefully). The summary and introduction should contain the importance of the study carried out, especially focused on the advantages that the material used (BSA-gold nanozyme) could offer compared to other catalyst systems.

The values of the kinetic parameters found could be shown in a table. It must include the k_{cat}/K_M ratio, which is the catalytic efficiency parameter.

You can enhance the characterization of the synthesized nanoparticle (SEM, DLS, Z potential). You can complement the kinetic study by showing the evolution of the absorption spectra of the substrates as a function of the reaction time. You can augment the discussion of the results by comparing with studies of similar nanozymes found by other authors and reported in the bibliography.