# Review of: "Effect of daylight and air oxygen on nanozymatic activity of unmodified silver nanoparticles: Shelf-stability"

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Potential competing interests: No potential competing interests to declare.

I am very grateful to you for inviting me as a reviewer in the manuscript entitled**'Evaluating the effect of shelf-storage, daylight, and air oxygen on the peroxidase-like activity of unmodified silver nanoparticles"**for consideration and publication, after accomplishment of minor revision carried out by the Author(s). Herewith, I attached my comments to ameliorate the quality of the article.

**Reviewer's comments**

In this present work, bare silver nanoparticles was synthesized and characterized. The morphological properties was also examined. The catalytic activity of prepared nanoparticles by the oxidation of 3,3',5,5'-tetramethyl-benzidine (TMB) as peroxidase substrate.

Despite the characterization studies were given in the manuscript are not adequate. Further, the author may carry out the minor revision for consideration of publication.

**Comment 1**: In abstract, unmodified silver nanoparticles were synthesized modified into unmodified silver nanoparticles was synthesized.

**Comment 2**: In introduction part, especially silver nanoparticles (AgNPs) have been widely used in different research fields due to their excellent optical, anti-cancer, and anti-bacterial properties along with biocompatibility, in this statement the authors should append different research fields such as, biomedical, food, health care, consumer, industrial purpose, water treatment, textile etc.,

**Comment 3**: In materials and instruments, the authors should give the brand name and country of the materials. For instance, The silver nitrate was purchased from Spectrum chemicals, India.

**Comment 4**: The authors should change the title in 2.2, as synthesis of silver nanoparticles or synthesis of bare silver nanoparticles

**Comment 5**: The characterization of material given in the manuscript is trivial. Therefore, the authors may characterize further.

**Comment 6**: In this work, the authors prepared silver nanoparticles, How to confirmed the prepared nanoparticles is

silver?

**Comment 7**: The XRD pattern and EDAX analysis should be append, then only the elemental crystal plans and composition of element present in the sample will know to the readers.

Thanking you.

With regards,

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