

Synthesis, description and optical activity of silver nanoparticles by electrogeneration system in various stabilizers

The article went through 3 rounds of review, reviewer A chose not to share his or her opinion; therefore, only his or her final decision will be published anonymously and reviewer B agreed previously to publish his report, revealing his identity.

The authors agreed to disclose the reviewers' reports and their responses to the reviewers' comments.

Disclaimer: The peer review report content is the entire copy of the reviewers' and authors' comments. Typing and punctuation errors are not edited.

ROUND 1

Reviewer A: Anonymous

Recommendation: Resubmit for Review

Reviewer A chose not to share his or her opinion, so only the final decision will be disclosed.

Reviewer B: Rodrigo Della Noce

Recommendation: Revisions Required

The paper entitled "Synthesis, description and optical activity of silver nanoparticles by electrodeposition system in various stabilizers" describes the production of electrodeposited Ag nanoparticles and their optical activity. The topic is of interest; however, some points must be addressed before publication as follows:

- 1) Many typos can be found throughout the entire paper, e.g., in highlights: "Electrodeposition with among the most efficient..." and "A mechanism using photocatalysis using silver..."
- 2) The dot in the end of the title is not needed.
- 3) The goal of the work is not clear and must be highlighted in the introduction part.
- 4) The experimental section should be extended describing, for example, some parameters used in the different techniques.
- 5) Additional information about the bath formulation should be given. Why have this bath pH and concentration been chosen? Moreover, why has this current density value been selected?
- 6) In table 1, it is supposed to be conductivity of deionized water.
- 7) As a suggestion, SEM images of the bare substrate, before the electrodeposition process, could be displayed.
- 8) The XRD plot is not clear. Which does the sample correspond to it for? Where is the peak related to graphite substrate?
- 9) Apparently, figures 8 and 9 show a dendritic growth of Ag. Please, comment on it.
- 10) It is not clear in the conclusion section which prepared sample shows the best result in terms of photodegradation.

In summary, my recommendation is major revision based on the above-mentioned aspects.

ANSWERS TO ROUND 1

[Author's Files](#)

ROUND 2

Reviewer A: Anonymous

Recommendation: Accept Submission

Reviewer A chose not to share his or her opinion, so only the final decision will be disclosed.

Reviewer B: Rodrigo Della Noce

Recommendation: Accept Submission

In this revised version of the manuscript, the authors answered satisfactorily most of questions raised by this reviewer. Therefore, my recommendation is to publish the paper as is.

ANSWERS TO ROUND 2

[Author's Files](#)

ROUND 3

Reviewer A: Anonymous

Recommendation: Accept Submission

Reviewer A chose not to share his or her opinion, so only the final decision will be disclosed.

ACCEPT SUBMISSION

September. 18, 2025