Journal: ACS Applied Bio Materials

Manuscript ID: mt-2022-00067f

Title: "Reactive silver inks for antiviral, repellent medical textiles with ultrasonic bleach washing durability compared to silver nanoparticles"

Author(s): Galante, Anthony; Pilsbury, Brady; Yates, Kathleen; Lemieux, Melbs; Bain, Daniel; Shanks, Robert; Romanowski, Eric; Leu, Paul

Dear Dr. Leu:

Thank you for submitting the above-referenced manuscript to be considered for publication in ACS Applied Bio Materials.  We have received several referee reports and their comments are enclosed for your information.

After a careful study of the manuscript and consideration of the reviewers’ comments, I regret to inform you that I am unable to accept the manuscript for publication.  There is no question about the potential usefulness of your work, but I am persuaded by the reviewers that the manuscript does not contain a sufficient amount of new insight for publication in ACS Applied Bio Materials.  I believe that you may find a more receptive audience for the work in a more specialized journal, and in any event I hope that you find the referees’ specific comments useful.

I thank you for considering ACS Applied Bio Materials for publishing your work.

Sincerely,

Dr. Eva Chi

Associate Editor

ACS Applied Bio Materials

Phone: 505-277-2263

Email: [chi-office@abm.acs.org](mailto:chi-office@abm.acs.org)

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Reviewer(s)' Comments to Author:

Reviewer: 1

Recommendation: Do not publish.

Comments:

I read the paper and found it as a repeated work just adding commercial nanosilver or silverink and then fixing them with PDMS.  It has very low novelty and it is not appreciated for ACS biomaterial.

Additional Questions:

Is this paper in the top 20% of manuscripts in the field?: No

If this paper is not in the top 20% of manuscripts in the field:

Is it appealing to the topical audience for this journal?: No

Does the manuscript give a complete description of the procedures that could be reproduced by others in the field?: Yes

Are the literature references appropriate and up to date?: No

Provides significant insight into or the development of an important application: Fair

Work is original and significant: Poor

Conclusions adequately supported by data: Fair

Clarity of presentation: Fair

Potential for impact in biological materials science and engineering: Poor

Reviewer: 2

Recommendation: Major revisions needed as noted.

Comments:

"Review attached"

Additional Questions:

Is this paper in the top 20% of manuscripts in the field?: No

If this paper is not in the top 20% of manuscripts in the field: It could be improved to be in the top 20% with appropriate revisions.

Is it appealing to the topical audience for this journal?: Yes

Does the manuscript give a complete description of the procedures that could be reproduced by others in the field?: Yes

Are the literature references appropriate and up to date?: No

Provides significant insight into or the development of an important application: Fair

Work is original and significant: Good

Conclusions adequately supported by data: Good

Clarity of presentation: Good

Potential for impact in biological materials science and engineering: Good

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Thank you.

Date Sent:

25-Feb-2022

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- Reviewer Comment.pdf