

Mar 30, 2020

To,
Nam Nguyen, Ph.D.
Editorial Department (Manager of Review)
JoVE, 1 Alewife Center, Suite 200, Cambridge, MA 02140

Subject: *Response to editor & reviewer comments for manuscript ID JoVE57488*

Dear Nam,

Please find below a response to editorial comments for our manuscript (ID: JoVE57488) titled "**Ammonia Fiber Expansion (AFEX) Pretreatment of Lignocellulosic Biomass**". We have uploaded an updated video protocol and made some minor changes to our manuscript to reflect updated video protocol as requested by the editorial team. Updated video file titled 'JOVE 57488_R5.mp4' has been uploaded on JoVE's website (<https://www.dropbox.com/request/LMKYhpFzdr3wHyqD7qUt>).

On behalf of all authors, I would like to thank you very much for your consideration and look forward to finally publishing our updated manuscript.

Sincerely,

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Enclosed: Brief response to editorial team comments and updated manuscript pdf highlighting track changes made to the document.

Response to Editorial/Production Comments

Revisions regarding the written manuscript:

1. Has reference 39 been published? If not, please remove it.

Response: Yes Reference 39 has been published and now has been updated.

Revisions regarding the video:

Overall Response: We have made all the changes requested by the editorial team for the updated video. A updated media has been now uploaded that should address all previous editorial team concerns (<https://www.dropbox.com/request/LMKYhpFzdr3wHyqD7qUt>). Individual responses are provided below.

1. 2:48 - Set up should be two words here.

Response: We have made all the changes requested by the editorial team for the updated video.

2. 6:43 - Shut down is two words here. Please make the change in the written manuscript as well.

Response: We have made all the changes requested by the editorial team for the updated video.

3. 7:48 - Please use correct chemical notation.

Response: We have made all the changes requested by the editorial team for the updated video.

4. 8:29 - There is a weird vocal glitch here.

Response: We have made all the changes requested by the editorial team for the updated video.

5. The cow images at 0:47 and 8:47 appear to be stock images. Is there a record of your license for these images?

Response: We have made all the changes requested by the editorial team for the updated video. We have replaced the earlier cow images with images from Pixabay, which does not require attribution:

Cow Image references:

<https://pixabay.com/photos/cow-head-cow-head-animal-livestock-1715829/>

<https://pixabay.com/photos/cow-all%C3%A4u-cows-ruminant-2782461/>

Pixabay License

Free for commercial use

No attribution required

6. Audio: The audio in Rebecca Ong's on-screen introduction and conclusion has a large amount of room noise and what sounds like compression or noise removal. We may be able to clean this up a bit on our end. For the next submission, please remove any compression or processing from the audio.

Response: We have made all the changes requested by the editorial team for the updated video.

7. Editing Style & Pacing: 1:13 - There is a jump cut here, followed immediately by a slow fade to an image of the pilot plant. I recommend cutting straight to this image before the jump cut is seen.

Response: We have made all the changes requested by the editorial team for the updated video.

8. Text/Graphics

"0:42, 0:47 - The images here could be scaled up to fill the frame. It isn't necessary, but it might look nicer and show more detail.

Response: We have made all the changes requested by the editorial team for the updated video.

7:20 - The white background of this image should be extended to fill in the thin black borders on the left and right sides of the frame.

Response: We have made all the changes requested by the editorial team for the updated video.

7:35 - It looks like half of the gray gradient background is missing here. This should be fixed.

Response: We have made all the changes requested by the editorial team for the updated video.

7:43, 8:04 - The gradient background disappears here. This should be fixed."

Response: We have made all the changes requested by the editorial team for the updated video.

7:48 - The 3 in NH₃ and 2 in H₂O should be subscript to fit JoVE formatting

Response: We have made all the changes requested by the editorial team for the updated video.