Dear editor,

Thank you for your comments. We have studied comments carefully and have made correction which we hope meet with approval. Our responses to comments are as following:

**Editorial comments:**

1. Please take this opportunity to thoroughly proofread the manuscript to ensure that there are no spelling or grammar issues. Please employ professional copy-editing services. The language in the manuscript is not publication grade in its current form and the review cannot continue.

According to the reviewer’s comment, we have corrected the sentences. Furthermore, we have revised the manuscript with a professional assistance in writing.

2. The Short Abstract is over the 50 word limit.

We have revised the short abstract, which was limited to 50 words.

3. Please use standard SI unit symbols and prefixes such as µL, mL, L, g, m, etc.

We have revised the unit symbols and used standard SI unit in the manuscript.

4. Please use h, min, s for time units.

We have revised, please review the revised manuscript.

5. JoVE policy states that the video narrative is objective and not biased towards a particular product featured in the video. The goal of this policy is to focus on the science rather than to present a technique as an advertisement for a specific item. To this end, we ask that you please reduce the number of instances of " VesselParser" within your text. The term may be introduced but please use it infrequently and when directly relevant. Otherwise, please refer to the term using generic language.

We have revised reduced the number of instances of " VesselParser".

6. Please ensure that the references appear as the following:

Lastname, F.I., LastName, F.I., LastName, F.I. Article Title. Source. Volume (Issue), FirstPage – LastPage, doi: DOI (YEAR).

For more than 6 authors, list only the first author then et al.

We have revised, please review the references.

7. Step 1.2: What’s the concentration of formaldehyde or acetic acid?

FAA solution (90:5:5 v/v/v, 70% ethanol: 100% formaldehyde: 100% acetic acid)

8. 1.4.1: Please write this step in imperative tense.

1.4.1 According to the morphological differences of maize root, stem and leaf, design and print sample baskets using a 3D printer (e.g., Figure 1).

9. Step 3 and Step 4: These steps can only be filmed if there is a graphical user interface involved. For steps that are done using software, a step-wise description of software usage must be included in the step. Please mention what button is clicked on in the software, or which menu items need to be selected to perform the step. Steps using algorithm cannot be filmed.

We have revised, please review the revised manuscript.

10. 3.2.1-3.2.5: Please ensure that all text is written in imperative tense.

We have revised, please review the revised manuscript.

11. Figure 4: Please add a short description to the figure title in the figure legend.

We have add a short description to the figure title in the figure legend.

Left: MPR image of stem cross-section. Middle: MPR image of leaf cross-section. Right: MPR image of root cross-section.

12. Please sign the new Author License Agreement, which is attached to this email. Please upload it to your Editorial Manager account when you submit your revision.

We have signed the new Author License Agreement and upload it to the Editorial Manager account.