

Editor

Dear Authors, minor revisions are required to your submission. Please see at this regard the comments by the reviewers.

Response: Dear editor, many thanks for your advice. The revised manuscript has been prepared according to all the comments and suggestions by the reviewers. All the modifications are marked in red in the revised manuscript.

Anonymous Referee #2: For final publication, the manuscript should be accepted as is.

Response: We really appreciate your comments on our manuscript.

Anonymous referee #3: For final publication, the manuscript should be accepted subject to minor revisions.

The article is an interesting study about the dynamic response and the breakage of trees subject to a landslide-induced air blast. I have only some minor corrections (see attached file) and a few suggestions to add in the reference list.

Response: We really appreciate your comments on our manuscript. We have responded to all your comments listed in the attached file, shown below:

Line 30 add the reference of Nicoletti and Sorriso Valvo, 1991; Nicoletti et al., 1993.

Response: We have made the modification in the revised manuscript (Line 30).

Line 36 change it to be “, especially in high-altitude regions”.

Response: We have made the modification in the revised manuscript (Line 37).

Line 135 “deposed” Please check this word. Is it correct?

Response: We apologize for the mistake. The work should be “decomposed”. We have changed it in the revised manuscript, and checked the editing problems throughout the manuscript (Line 136).

Line 143 change “contributes a lot” to “significantly contributes”

Response: We have made the modification in the revised manuscript (Line 144).

Line 222 change “Fig. 5” to “Figure 5”

Response: We have made the modification in the revised manuscript (Line 223).

Line 260 change “According” to “according”

Response: We have made the modification in the revised manuscript (Line 261).

Line 290 change “Fig. 7” to “Figure 7”

Response: We have made the modification in the revised manuscript (Line 291).

Line 342 change “the tree eigenfrequency” to “the latter”

Response: We have made the modification in the revised manuscript (Line 344).

Line 409 Add the suggested references.

Response: Many thanks for your advice, we have added the references in the revised manuscript (Line 411-414).

Nicoletti, P. G., and Sorriso-Valvo, M.: Geomorphic controls of the shape and mobility of rock avalanches, *Geological Society of America Bulletin*, 103, 1365-1373, 1991.

Nicoletti, P. G., Parise, M., and Miccadei, E. The Scanno rock avalanche (Abruzzi, south-central Italy), *Bollettino della Società geologica italiana*, 112, 523-535, 1993.