The manuscript entitled: *Analysis Method for Post-Impact Damage Development in Carbon Fibre Reinforced Laminate under Repeated Loading* presents interesting research results.

The authors of this study analysed the propagation of post-stroke damage under cyclic compressive loading in a composite plate made of carbon fibre reinforced polymers (CFRP). The analysis was carried out using finite element (FEM) methods in Abaqus.

The research results described in the article correspond to the topics of the journal Journal of Composites Science. The following comments will help to improve the manuscript:

1) In the body of the work, it appears in several places: Error! Reference. This should be corrected by inserting appropriate references.

2) The introduction to the topic could be expanded. Manuscripts presenting recent experimental studies of reinforced polymer composites could be helpful. I suggest reading the following papers presenting studies of the behaviour of plate elements made of CFRP: 10.3390/ma14061506; 10.3390/ma13132956; 10.1016/j.compstruct.2022.116446

3) Whether the numerical analysis investigated the effect of finite element mesh density on the accuracy of the calculation results?

4) The object of study should be better presented.
    a. What method was used to model the composite in Abaqus?
    b. How were composite material lamina or engineering constraints defined?
    Thinking about the C3D8 finite element type used in the discretization of the model, the material was defined by Engineering Constraints.
    In this case, the material data of the composite shown in Table 1 is incomplete for the solid component.
    c. How were the different layers of the laminate bound together?
    d. It is recommended that the boundary conditions are shown on a numerical FEM model.
    e. How the cohesive zone (CZM) was defined?

5) Change the order in the text of the paper of figure 5 with figure 4.
6) The legend in Figures 4 and 5 is illegible the font size should be increased. The other figures in this chapter should be checked to see if the text on them is readable.