Reply to Reviewer 1’s comments.

Comment 1.  Introduction section regarding the use of any polymer or biopolymer is superficial and should be elaborated for the required background for the researchers or research professionals. In addition, authors should incorporate recent articles based on gelatin and/or hyaluronic acid for various potential applications in tissue engineering along with challenges for dynamic three-dimensional microenvironment for tissue regeneration. Authors may include following recent articles for the background of this study as Carbohydrate polymers, 180, 2018, 128-144; Chemical Engineering Journal, 317, 2017, 119-131; Carbohydrate polymers, 193, 2018, 228-238; Composites Science and Technology, 175, 2019, 35-45, etc.

Reply to Comment 1.  We agree with the comment and have added descriptions for the usefulness of biopolymers in biomedical applications in the Introduction section (Line 30-33). In the description, we have cited the paper suggested by the reviewer (Ref. 3). In addition, we have added descriptions relating to recent articles based on gelatin and/or hyaluronic acid (Line 38-40) and dynamic three-dimensional microenvironment for tissue engineering (Line 43-47), as recommended by the reviewer with citing papers (Ref 11-14).

Comment 2.  The variation in the degree of crosslinking in gelatin/hyaluronic acid composite hydrogels should have been calculated. In addition, structural characterization (NMR or FTIR, XRD) may also be included in support of these concluding results.

Reply to Comment 2.  We completely agree with the usefulness of the information on the degree of crosslinking. We have tried it, but by now, we have not succeeded to measure it. The degree of crosslinking has been speculated very roughly from the data of mechanical property and molecular permeation property of hydrogels as the same with this study. Regarding structural characterization of the derivatives of hyaluronic acid and gelatin, we have added UV-vis spectrum indicating the existence of incorporated Ph moieties as supplemental data (Supplemental figure 1) and the description for the method of determining the content of Ph moieties (Line 107-109).

Comment 3.  Authors should include the digital images (if available) of the extruded polymer-gels, while printing. It will provide better information for further research perspectives. In addition, actual mechanical plots of molded hydrogels should be incorporated in the manuscript, including all mechanical data in a Table form.

Reply to Comment 3.  We agree with the suggestions and have added the photos of extruded polymer filaments as Figure 4b. Regarding actual mechanical plots, Young’s modulus were automatically calculated by the material tester and the mechanical data were not kept in the machine.