Dear Reviewer

Thank you for your kind comments and suggestions.

According to your comments, I revised our manuscript, as follows:

Reviewer’s comments:

Reviewer #1:

The research presented in the manuscript addresses the issue of harvesting energy from body movements using wearable core-shell piezoelectric nanofiber yarns.

Two basic things should be improved:

1. The core-shell piezoelectric nanofiber yarns structure should be well described, and a schematic drawing should be added to understand the location of the inner and outer electrodes. This issue is crucial for the understanding of the proposed method.

Thank you for your kind comments. According to your comments, I revised the schematic drawing in Fig. 1 as follows:
Fig. 1. Schematic diagrams of the fabrication process of the core-shell piezoelectric yarns with external electrodes

2. Trying to measure the voltage is misleading from the output point of view. It is known that while the voltage generated by a piezoelectric device might be high, its current is very low. Therefore the output results should present energy or power and not voltage. As such the authors are requested to revise their graphs and present their results in a conformal way.

➔ Thank you for your kind comments. According to your comment, I have added a graph of power results in Fig.4 and Fig.5 as follows:

Fig. 4. (a) Output voltages, output currents and output powers according to in-bending and out-bending finger movements as a cotton glove stitched in the finger parts with the core-shell piezoelectric yarns is worn, and output voltages, output currents and output powers according to in-bending and out-bending (b) elbow and (c) knee movements as the guard stitched in the elbow and knee parts by the core-shell piezoelectric yarns is worn, respectively.
Fig. 5. (a) Output voltages, output currents and output powers according to clapping movements as a cotton glove stitched in the effective area with the core-shell piezoelectric yarns is worn, and (b) output voltages, output currents and output powers according to walking and running movements as a shoe insole stitched in the effective area with the core-shell piezoelectric yarns is worn.

3. Another issue is how the voltage and then the power was measured? Was it measure on an outside connected resistor or capacitor? Please provide details on this issue.

➔ Thank you for your kind comments. According to your comment, I further explained as follows:

“The output voltages (V) of core-shell piezoelectric yarns with external electrodes directly stitched onto fabric based on optimized stitching patterns were observed using an oscilloscope according to the various bending and pressing types of body movements. The output voltages (V) of a wearable device module connected to resistance (R) of 5 MΩ were measured, and output powers (P) and output currents (I) were calculated based on the basic formula of \( P = \frac{V^2}{R} = VI \) [23,24].”