Supplementary Materials: Development of In-Situ Poled Nanofiber-Based Flexible Piezoelectric Nanogenerators for Self-Powered Motion Monitoring

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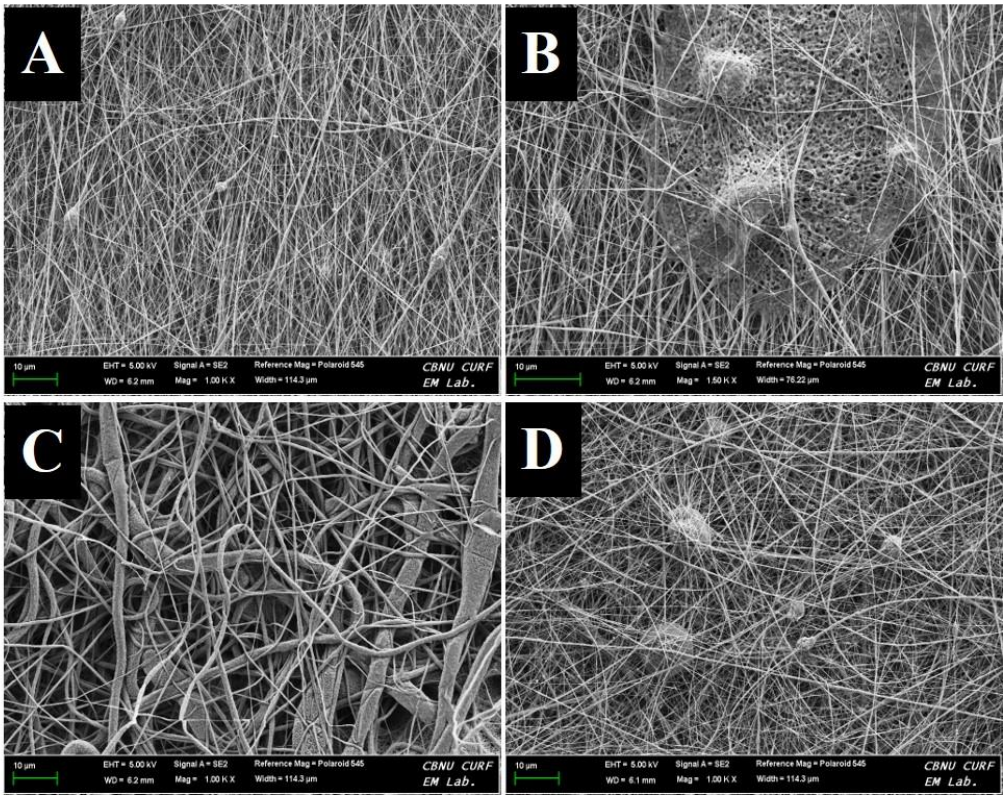

Figure S1. FESEM image showing the PVDF GO NF with **A**) 2 wt% GO aligned, **B**) 7 wt% GO aligned, **C**) 2 wt% GO random, **D**) 7wt% GO random.

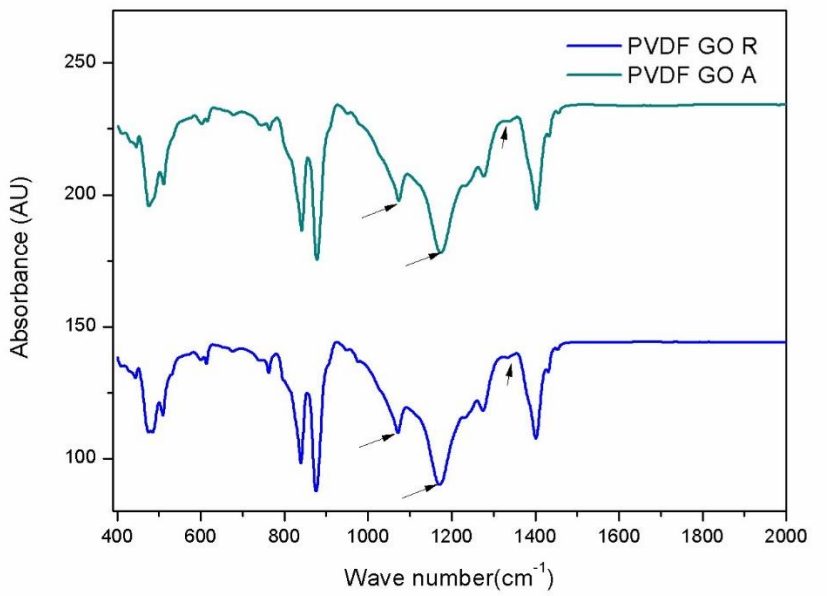

Figure S2. FTIR showing the characteristic peak of GO in the PGRNF and PGANF.

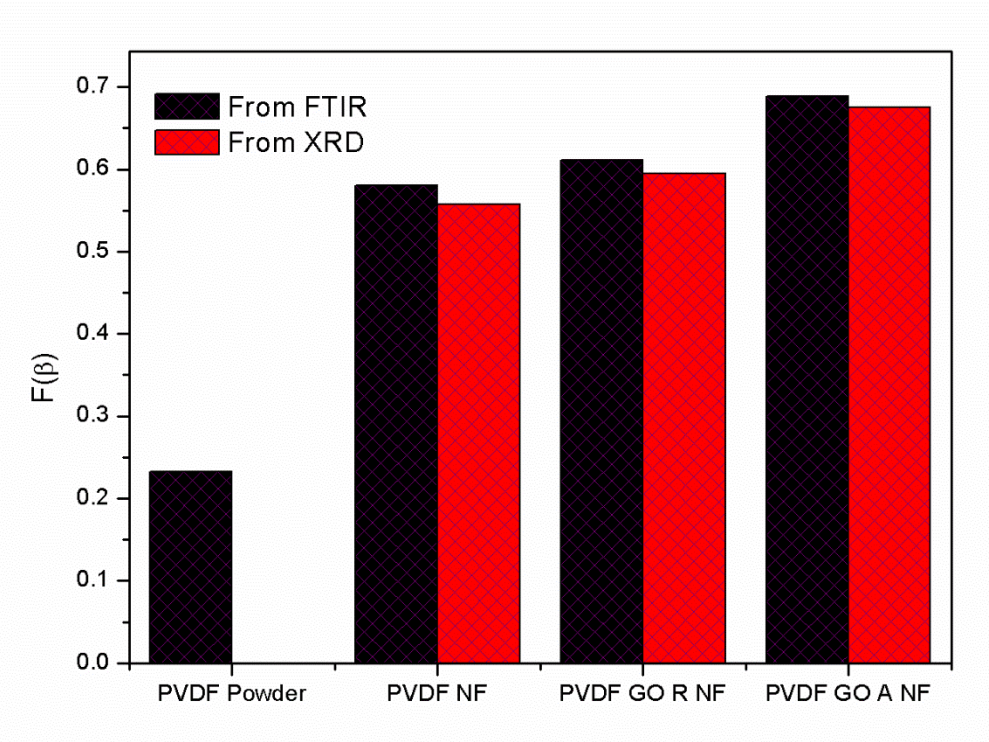

Figure S3. Comparison of the relative proportion of β phase obtained from both XRD and FTIR.

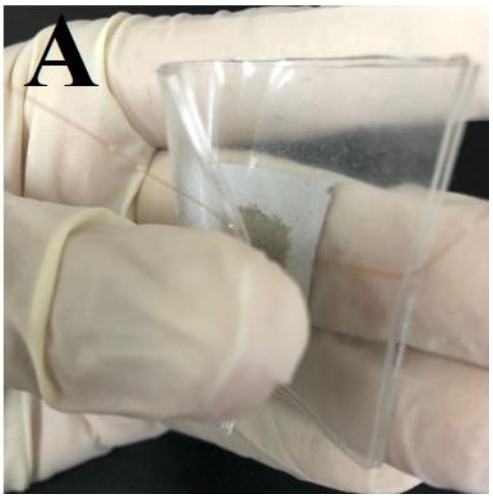

Figure S4. Photograph showing the flexibility of PEGANF FENGs.

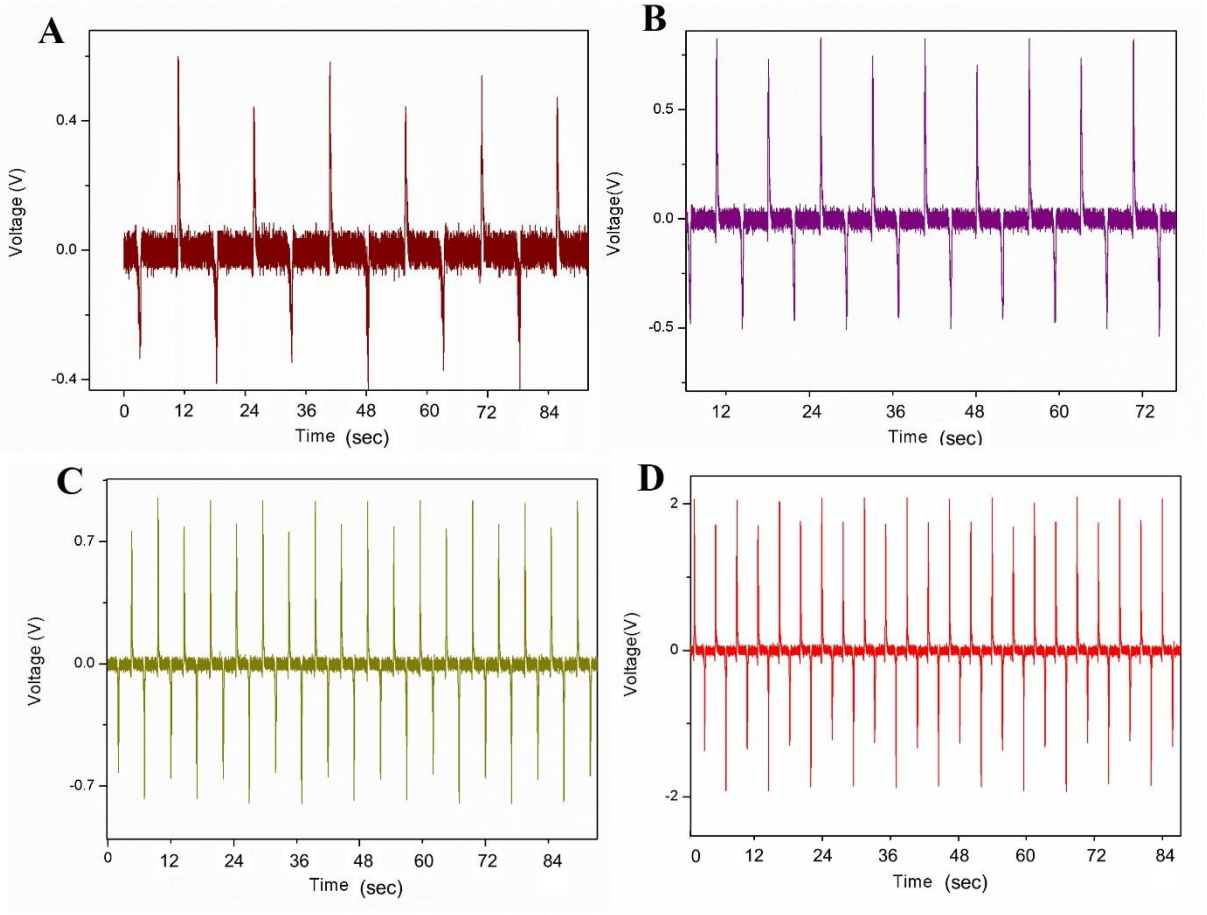

Figure S5. The piezoelectric voltage generated from the PEGANF FENG under different mechanical vibration frequencies