## Supporting Information

Significant Piezoelectric and Energy Harvesting Enhancement of Poly(vinylidene fluoride)/Polypeptide Fiber Composites Prepared Through Near-Field Electrospinning

## Cheng-Tang Pan,<sup>a</sup> Chung-Kun Yen,<sup>a</sup> Hui-Chun Wu,<sup>a</sup> Liwei Lin,<sup>b</sup> Yi-Syuan Lu,<sup>c</sup> Jacob Chih-Ching Huang,<sup>c</sup> and Shiao-Wei Kuo<sup>c,\*</sup>

- <sup>a</sup> Department of Mechanical and Electro-Mechanical Engineering, National Sun Yat-Sen University, Kaohsiung 80424, Taiwan
- <sup>b</sup> Department of Mechanical Engineering and Berkeley Sensor and Actuator Center, University of California, Berkeley, California 94720, USA
- <sup>c</sup> Department of Materials and Optoelectronic Science, National Sun Yat-Sen University, Kaohsiung 80424, Taiwan

E-mail: <u>kuosw@faculty.nsysu.edu.tw</u>



Figure S1. (a)Schematic diagram of PET vibrational structure and (b) Schematic diagram of vibrational test





Fig. S2. Schematic diagram of vibration measurement system on a flexible PET substrate



Figure S3: Photographs of the deposited fibers on glass tube collector and SEM images of the deposited fibers on glass tube collector with different fiber diameters and various structural thicknesses based on layer-by-layer processing