

Supporting Information

Low-cost high performance sustainable triboelectric nanogenerator based on laboratory waste

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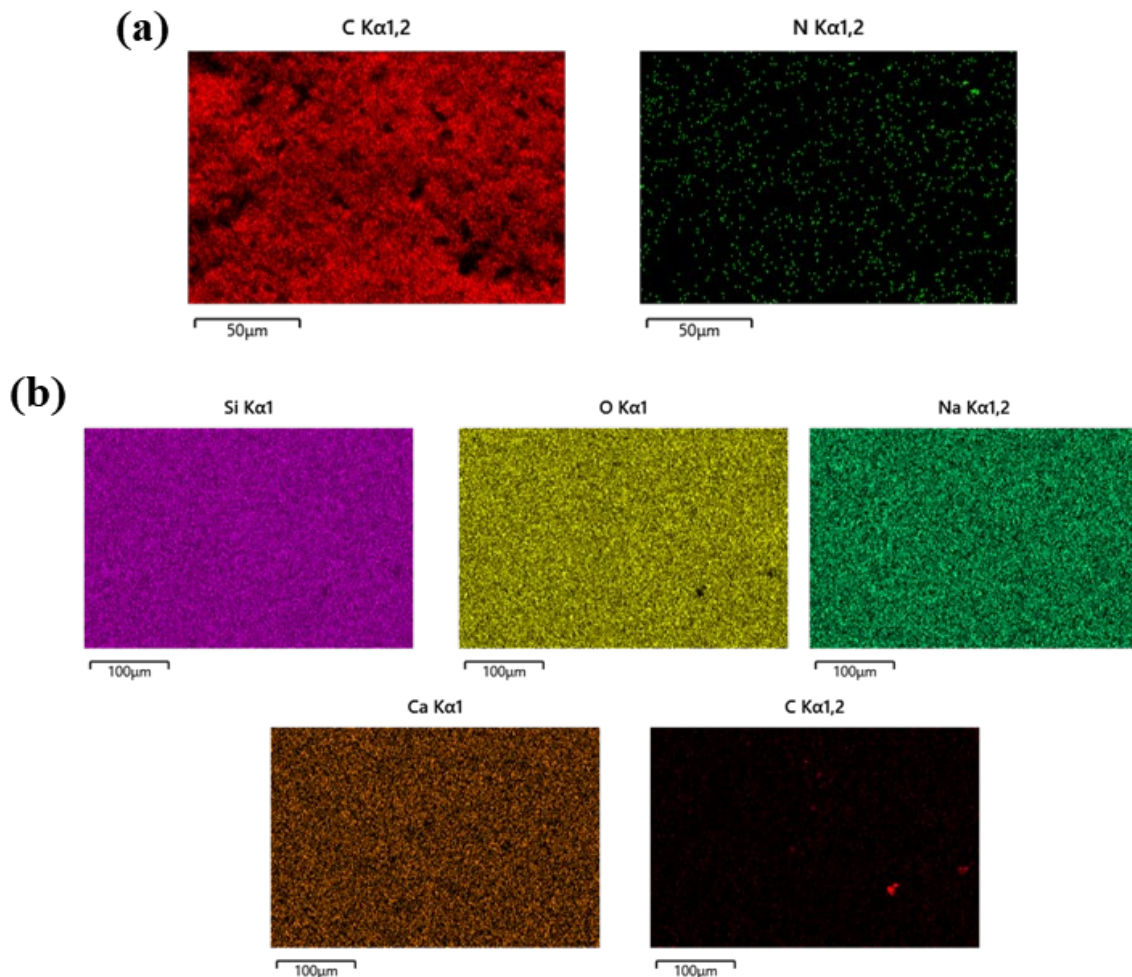
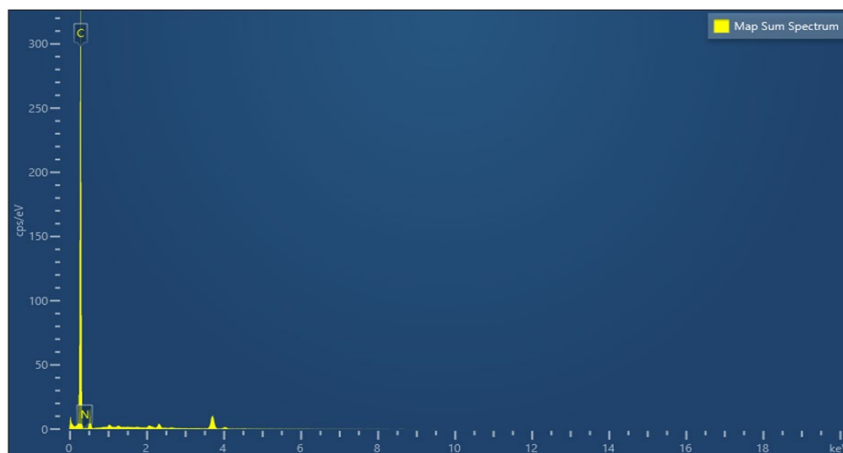


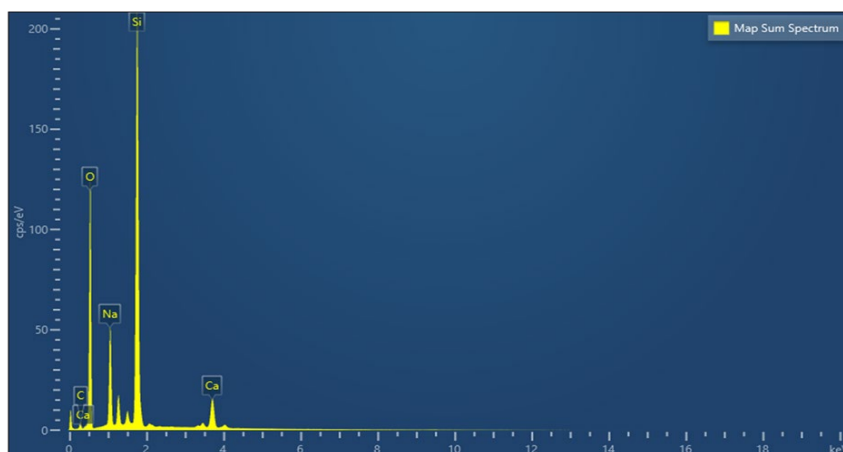
Figure S1. Color mapping of (a) glove, and (b) glass.

Table S1. Element percentage of glove.

Element	Atomic %
C	94.73
N	5.27

**Figure S2.** EDS spectra of glove.**Table S2.** Element percentage of glass.

Element	Atomic %
C	7.59
O	55.61
Na	8.49
Si	25.12
Ca	6.36

**Figure S3.** EDS spectra of glass.**Table S3.** Comparison table of waste material based TENG.

Material-1	Material-2	Voltage	Current	Reference
Polypropylene	Wool	4.2 V	2.7 nA	[32]
PVA	Chitosan	20 V	200 nA	[33]
Plastic PET	Glass	185 V	1.25 μ A	[34]
Glove	Glass	220 V	25 μ A	This study