

Fabrication of ZnO Metal-Semiconductor-Metal Photodetectors on Cotton via Thermal-ALD

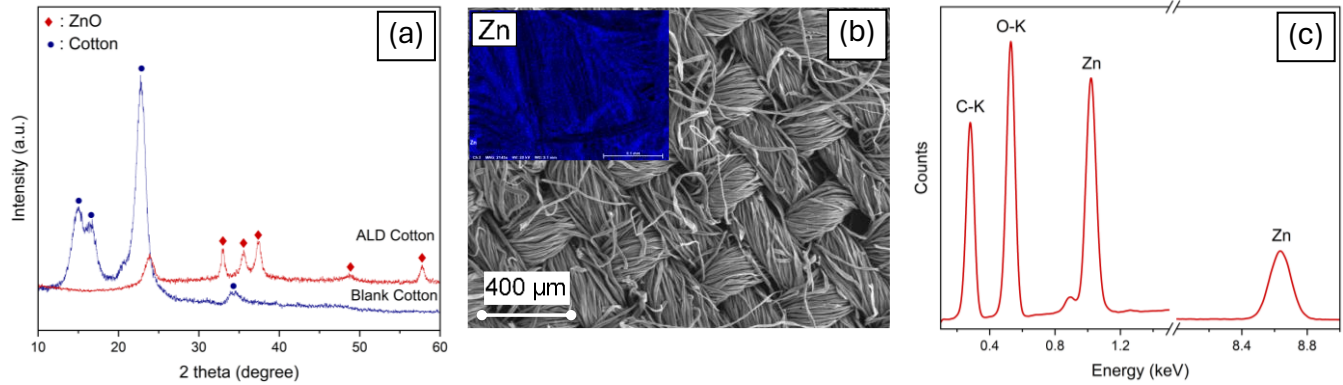


Figure 1. (a) XRD patterns of blank and ALD-ZnO coated cotton substrates, (b) SEM image and Zn elemental distribution of ZnO coated cotton sample, and (c) measured EDX spectrum of the ZnO/cotton sample.

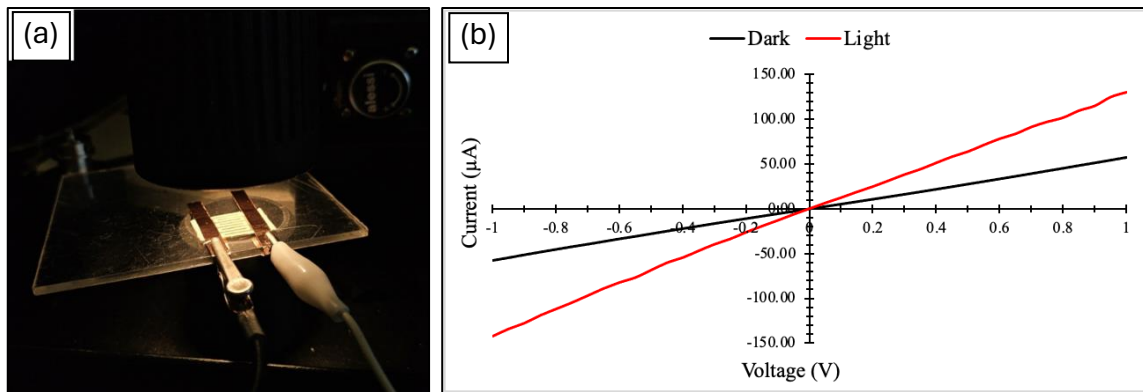


Figure 2. (a) The setup used to investigate the photo-response of ZnO MSM-PD devices and (b) I-V curves under dark and illuminated conditions of the ZnO MSM-PD devices on cotton.