

## Supplementary Pages (Optional)

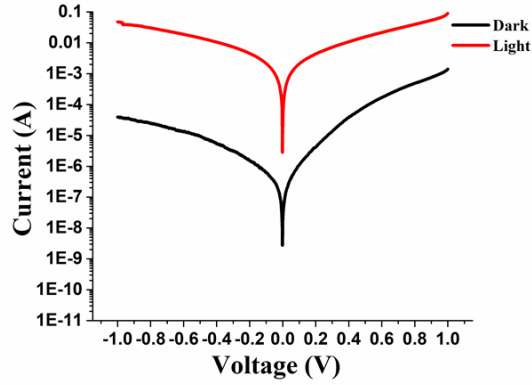


Figure 1: I-V curve of p-I GaAsSb/AlGaAs photodetector dark and under illumination of 540 nm wavelength

Table-2 Parameter extracted using COMSOL fitting of the I-V curve

	Dark	540 nm
Acceptor concentration (cm <sup>-3</sup> )	1.0x10 <sup>15</sup>	5.0x10 <sup>17</sup>
$\mu_n$ (cm <sup>2</sup> V <sup>-1</sup> s)	1300	1410
$\mu_p$ (cm <sup>2</sup> V <sup>-1</sup> s)	70	70