ABSTRACT

In this work the electrical properties of conducting polymer meh-ppv which is known as [2-metheloxy-5-(2-ethy-hexloxy)-4 phenylen vinylen] (MEH-PPV)doped with iodine with different concentrations were studied.
Thin film devices were fabricated by depositing a thin layer of the polymer between two thin layers made of indium thin oxide (ITO) and aluminum metal.

The current –voltage (I-V) characteristics of the polymeric thin films were determined at varions conditions.In general ,the I-V carves were seen to vary when MEH-PPV dopped with iodine (I). On the other hand , the effect of the type of the connecting wires was studied by using copper and silver wires . This was related to work function of these metals..