**ABSTRACT**

Dye- sensitized solar cells (DSSCs) are typically made-up with nano-sized TiO2 but in this study an attempt was made to fabricate cells with TiO2 that are not of nano-size. Amaranthus and Henna leaves were chosen as dye-sensitizers. UV–vis and FTIR spectroscopic studies were taken to know the absorption range and functional groups of the dyes. J–V Characteristic study taken showed diode characteristics instead of solar cell characteristics.