

### Supplementary data

#### 1. XPS

XPS studies of the film deposited at 100 W was carried out at an interval of 30 days. There was no significant change in the binding energy of O1s peak as shown below:

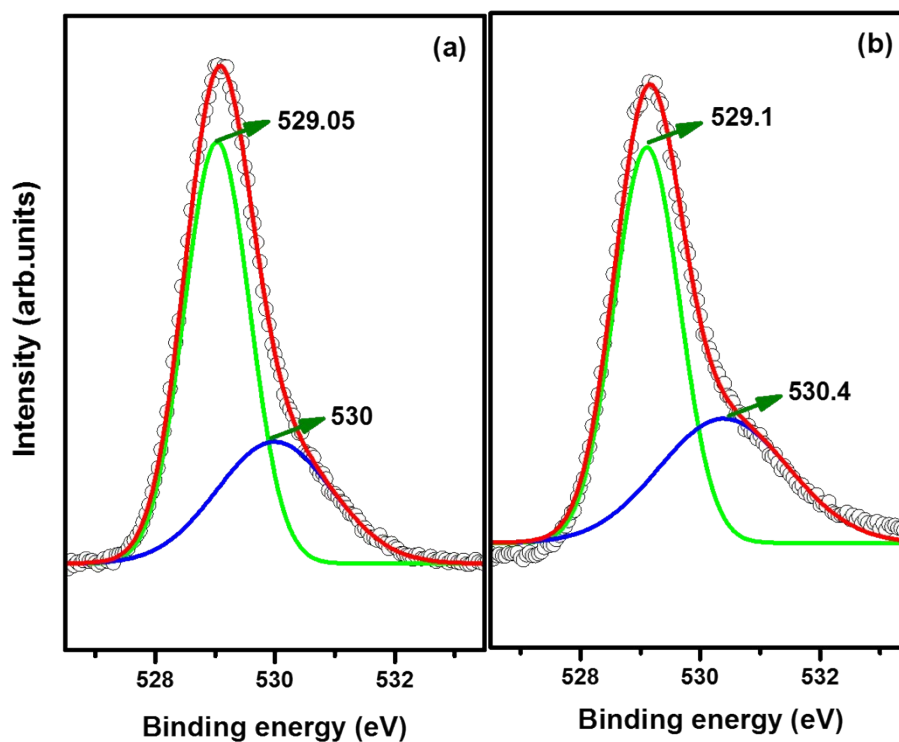


Fig: 1 O1s narrow scan spectra of 100 W deposited thin film taken  
a) immediately after deposition and b) 30 days after deposition.