

## **List of tables**

Table 1.1: Types of luminescence

Table 3.1: Comparison of standard d-values of JCPDS file no. 70-1382 with the calculated d-values of the samples of  $\text{La}_2(\text{MoO}_4)_3$  phosphors

Table 3.2: Comparison of standard d-values of JCPDS file no. 71 - 2274 with the calculated d-values of the samples of  $\text{Bi}_2\text{O}_3$

Table 3.3: Comparison of standard d-values of JCPDS file no. 75 – 0594 with the calculated d-values of the samples of  $\text{CdO}$

Table 3.4: Crystallite size for samples of  $\text{La}_2(\text{MoO}_4)_3$ : Yb, Er

Table 3.5: Crystallite size for samples of  $\text{Bi}_2\text{O}_3$ : Yb, Er

Table 3.6: Crystallite size for samples of  $\text{CdO}$ : Yb, Er

Table 5.1: DSSC parameters ( $\text{TiO}_2$ )

Table 5.2: Cell parameters ( $\text{La}_2(\text{MoO}_4)_3$ :Yb,Er)

Table 5.3: Cell parameters ( $\text{Bi}_2\text{O}_3$ :Yb, Er)

Table 5.4: Cell parameters ( $\text{CdO}$ : Yb, Er)