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Type: Poster Presentation

{Electrodeposition of CdTe Thin Film Effect of Deposition Temperature from acetate precursor for Solar Energy Application }

\begin{abstract}

Cadmium Tel lurid (CdTe) thin film can be synthesized by using low cost two electrode electrodeposition method in aqueous acidic solution contained cadmium acetate dihydrate $1.M Cd(CH_3OO)_2, 2H_2O$ as cadmium precursor and 1ml Tellurium dioxide TeO_2 as Tellurium precursor on glass substrate(FTO) florin doped thin oxide with sheet resistance of 7 ohm/square. The main aim is to study the effect of deposition temperature the film were deposited different temperature at 50, 60,70 and $85^{\circ}c$ and for each film the structural, compositional, phonon vibrational, morphological and optical properties of the resulting films have been characterized using glancing incidence X-ray diffraction, energy-dispersive X-ray (EDX) spectroscopy, Raman spectroscopy, scanning electron microscopy (SEM) and UV-Vis spectrophotometry respectively.

\end{abstract}

Apply to be considered for a student ; award (Yes / No)?

yes

Level for award;(Hons, MSc, PhD, N/A)?

Ph.D. student

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