

GROWTH AND CHARACTERIZATION OF CdTe NANOSTRUCTURES GROWN BY CHEMICAL REDUCTION ROUTE

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ABSTRACT

CdTe nano particles are grown by varying temperature and keeping ratio of reagent constant. The samples are characterized structurally and optically. An increase in band gap is observed compared to bulk CdTe in each growth condition. Also the nanorods formation is found to be favourable at particular temperature. An attempt is made to correlate the structural and optical properties.

KEYWORDS: Synthesis of Nanomaterials, Structural Properties, Optical Properties