

Priya, N.S., Kamala, S.S.P., Anbarasu, V., Azhagan, S.A. Saravanakumar R. (2018). Characterization of CdS thin films and nanoparticles by a simple chemical bath technique. *Materials Letters*, 220: 161-164.

Saxenaa N., Kalsib T., Uttamb P., Kumarb P. (2018). Morphological evolution in nanocrystalline CdS thin films from flowers to rock-like salt structures. *Optical Materials*, 84: 625–630.

Sheng C.K., Amin K.A.M., Hong L.L., Hassan M.F., Ismail M. (2017). Investigation of morphological, structural, and electrical properties of Cds/ PMMA nanocomposite film prepared by solution casting method. *International Journal of Electrochemical Science*, 12: 10023-10031.

Sheng C.K. & Alrababah Y.M. (2020). The Role of pH on Infrared Spectral, Structural and Morphological Properties of Room-temperature Precipitated CdS Nanoparticles. *Journal of Nano- and Electronic Physics*, 12(1): 01017.

Shkir M., Chandekar K.V., Khan A., Mohamed El-Toni A., Ashraf I.M., Benghanem M., Adil S.F., Ansari A.A., Ghaithan H., AlFaify S. (2020). Structural, morphological, vibrational, optical, and nonlinear characteristics of spray pyrolyzed CdS thin films: Effect of Gd doping content. *Materials Chemistry and Physics*, 255: 123615.

Sonker R.K., Yadav B.C., Gupta V., Tomar M. (2020). Synthesis of CdS nanoparticles by the sol-gel method as a low-temperature NO₂ sensor. *Materials Chemistry and Physics*, 239: 121975.

Wang G.Z., Chen W., liang C.H., Wang Y.W., Meng G.W., Zang L.D. (2001). Preparation and characterization of CdS nanoparticles by ultrasonic irradiation. *Inorganic Chemistry Communications*, 4: 208-210.

Wilson K.C. & Ahamed M.B. (2019). Influence of bath temperature on surface modification and optoelectronic properties of chemical bath deposited CdS thin film nanostructures. *Materials Science & Engineering B*, 251: 114444.

Yang X., Yang Y., Wang B., Wang T., Wang Y., Meng D. (2019). Synthesis and photocatalytic property of cubic phase CdS. *Solid-State Sciences*, 92: 31–35.

Submitted: 22/01/2021
Revised : 07/04/2021
Accepted : 21/05/2021
DOI: 10.48129/kjs.11913