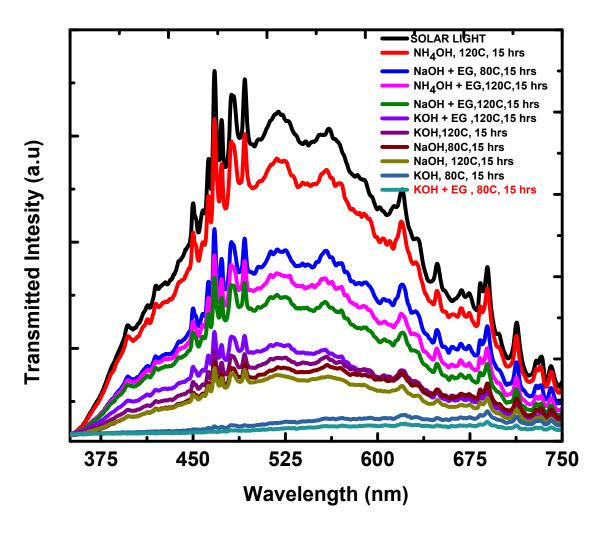


**Figure 1:** Polarized Raman spectra of synthesized copper oxide nanostructure. The polarizer angle was varied from 0 degrees to 180 degrees in steps of 45 degrees. It can be seen that the Raman intensity is maximum at 45 degrees and 135 degrees. The Raman active mode  $B_{2g}$  is completely suppressed at 90 degrees.



**Figure 2:** Stacked Solar transmitted spectra of synthesized copper oxides nanostructures. The nature of the plot is an indicative of the varied optical band gap of the prepared samples.