

Supplementary files (S1)

EDS spectra, shows the successful immobilization of CDs on various metal oxides is confirmed. The EDS spectra show characteristic peaks of C for all samples, while distinct peaks of Si, Zn, and Ti indicate the presence of SiO₂, ZnO, and TiO₂, respectively. This shows that the elemental composition of CDs-SiO₂, CDs-ZnO, and CDs-TiO₂ is successful without the presence of impurities.

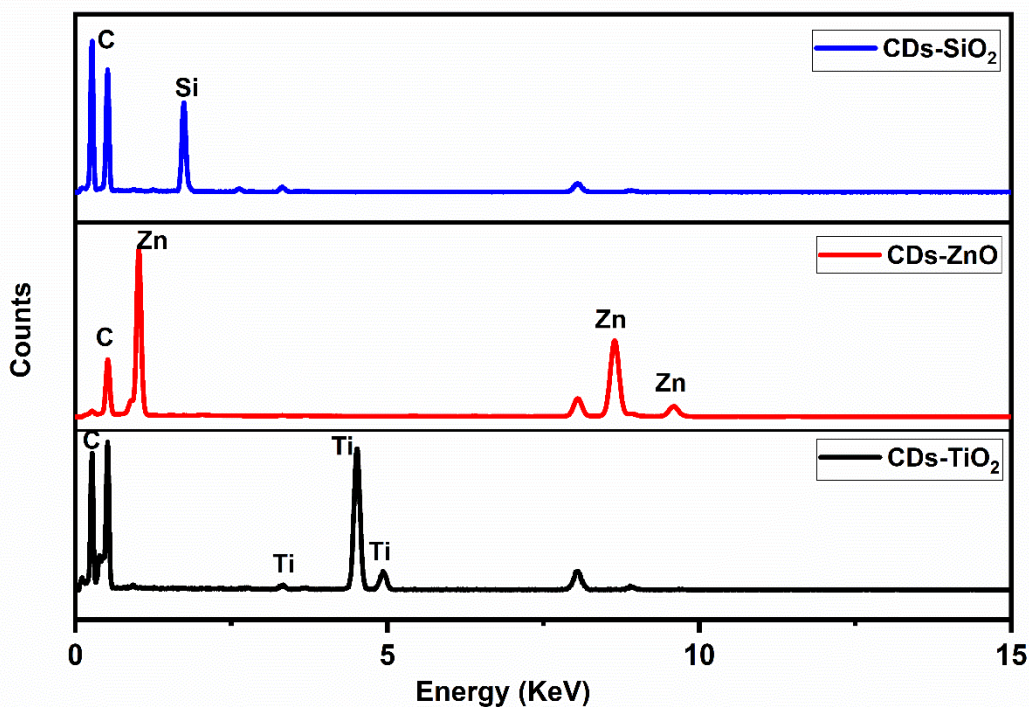


Fig. S1: EDS Spectra of CDs/TiO₂, CDs/ZnO, and CDs/SiO₂ nanocomposites.