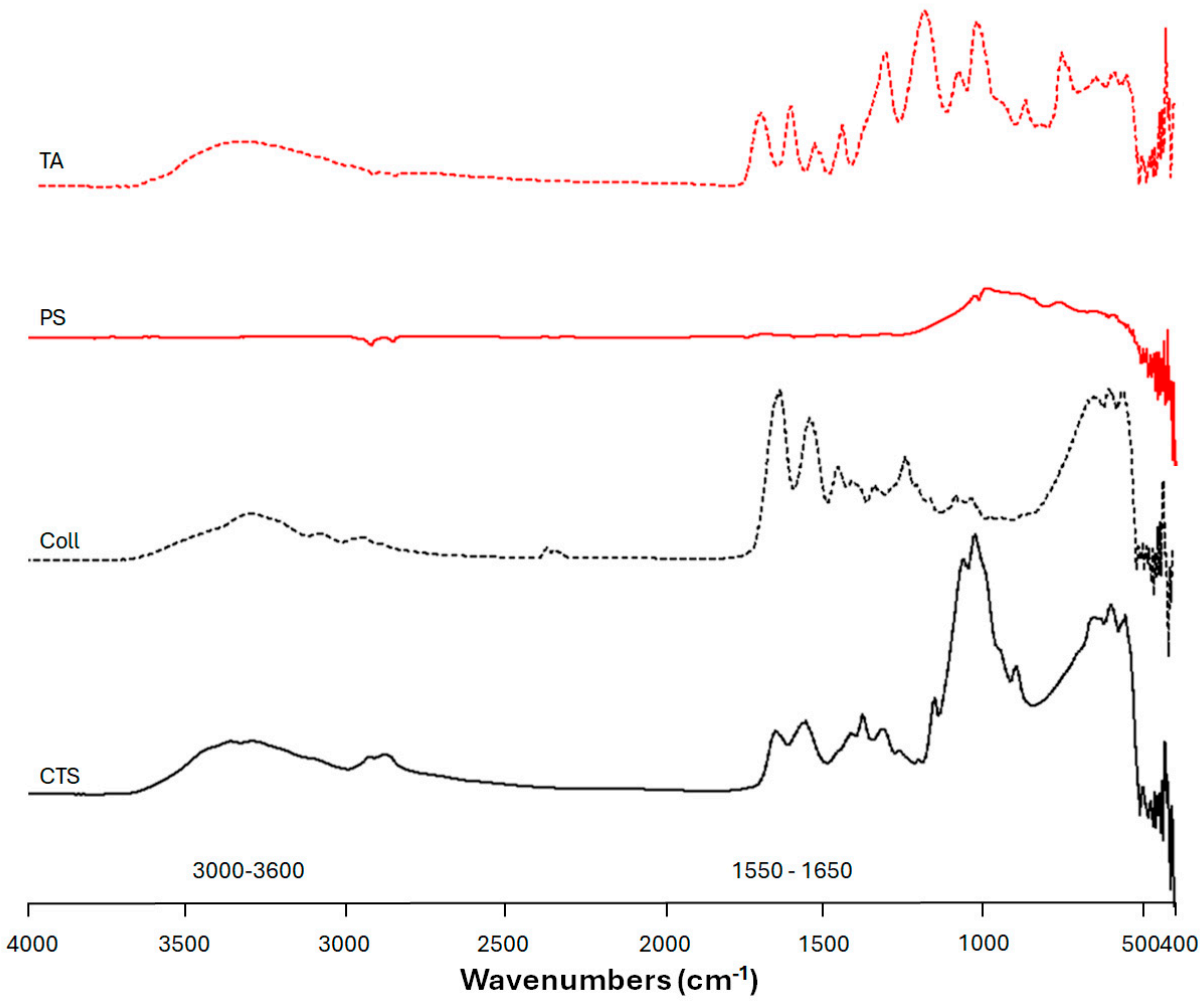


Figure S1. ATR-FTIR spectra of Chitosan (CTS, Solid black line), Collagen (Coll, dashed black line), potassium silicate (PS, solid red line) and tannic acid (TA, dashed red line) between 4000 and 400650 cm-1.