Supplementary Files

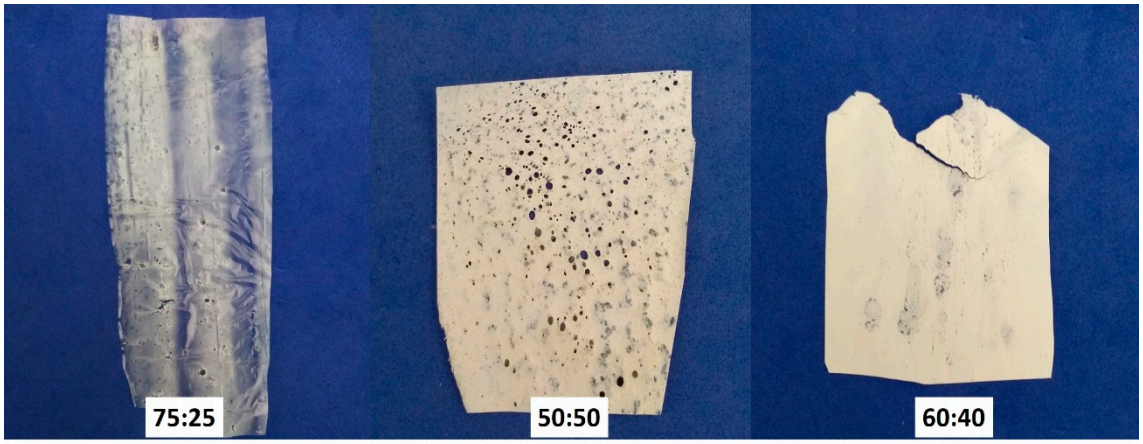

Figure S1. Cellulose acetate and zein blends prepared with different polymer ratios (wt/wt).

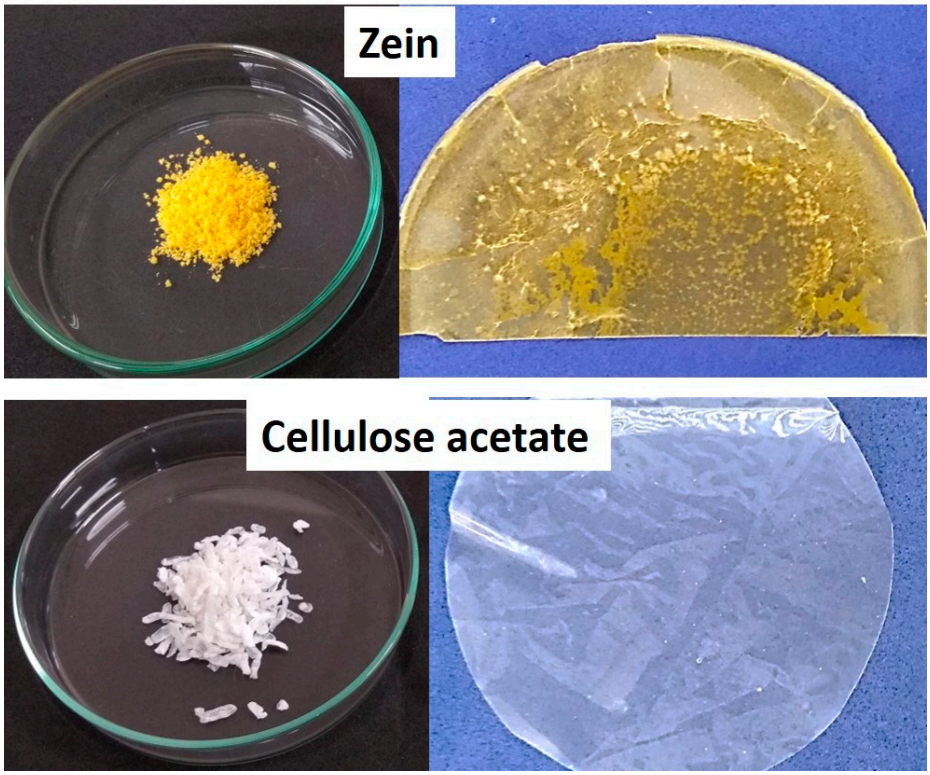

Figure S2. Cellulose acetate and zein as pellets and films.

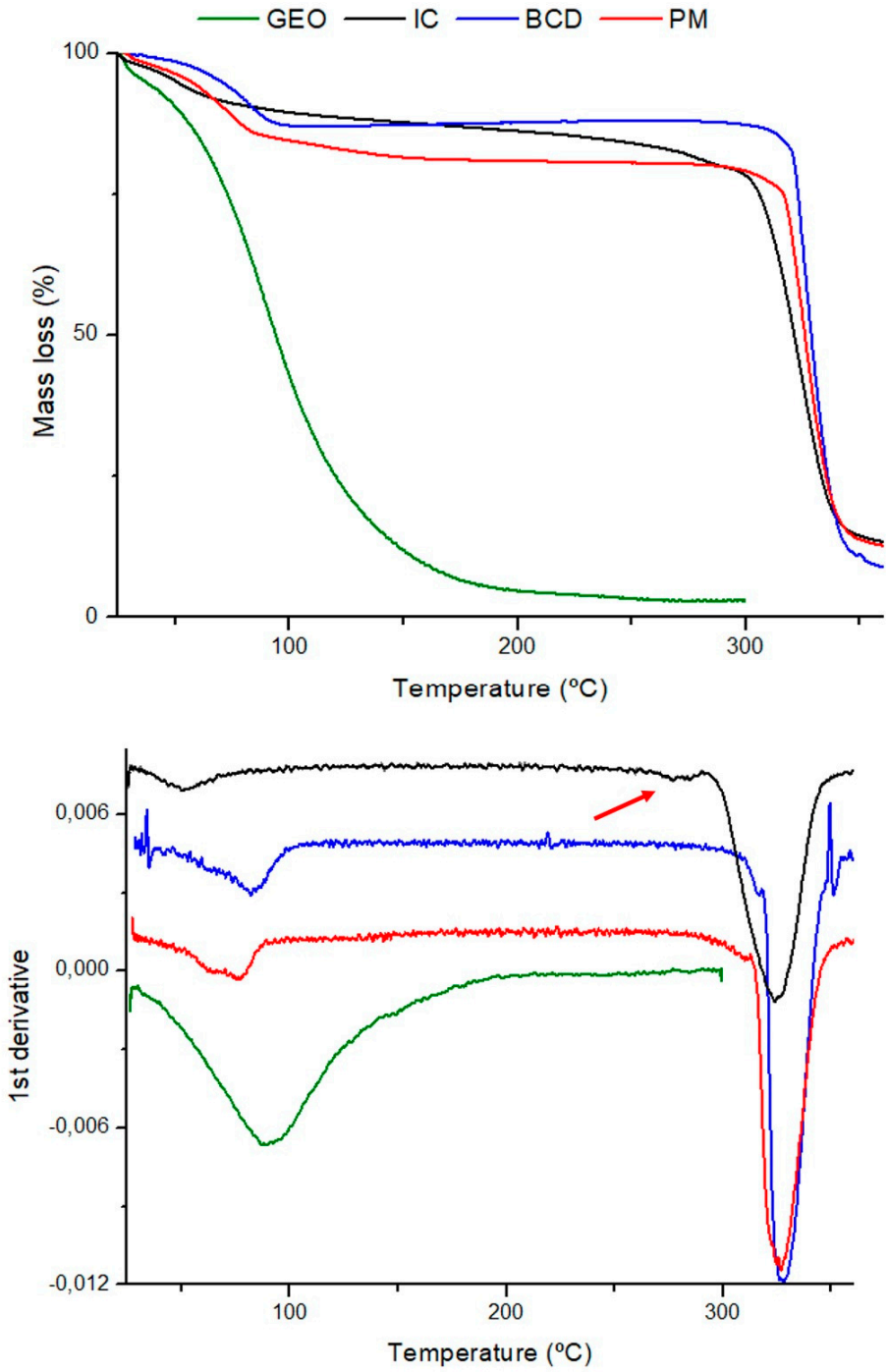

Figure S3. Thermogravimetric (TG) curves and their derivative (DTG) of βCD, inclusion complex (IC), garlic essential oil (GEO), and physical mixture (PM). *The red arrow indicates GEO loss in the inclusion complex.

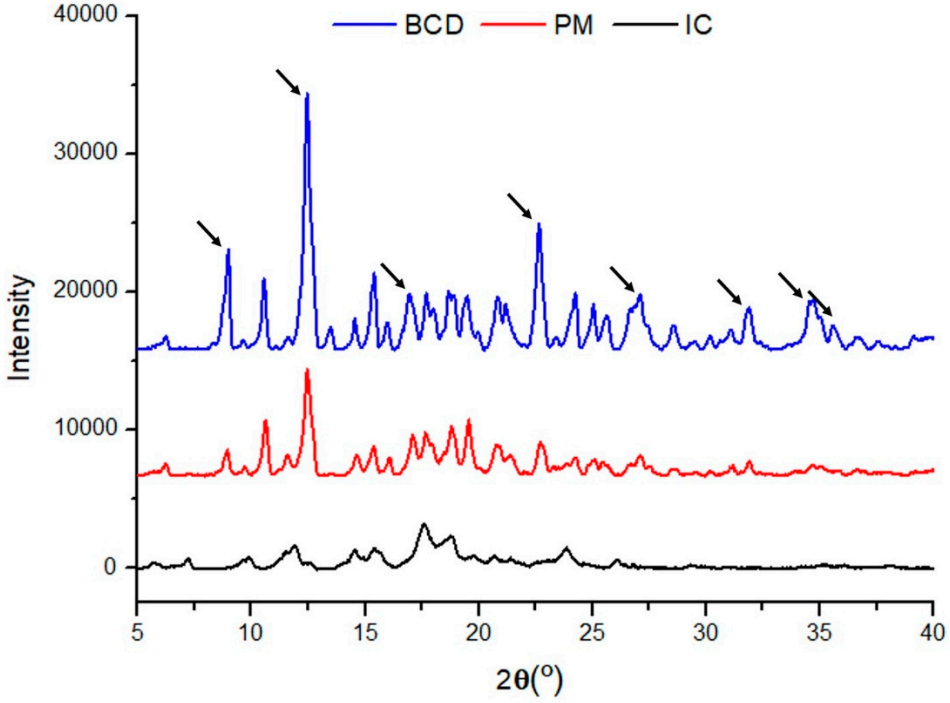

Figure S4. X-ray diffractograms of βCD, inclusion complex (IC), and physical mixture (PM). *Black arrows indicate the characteristic peaks for βCD.

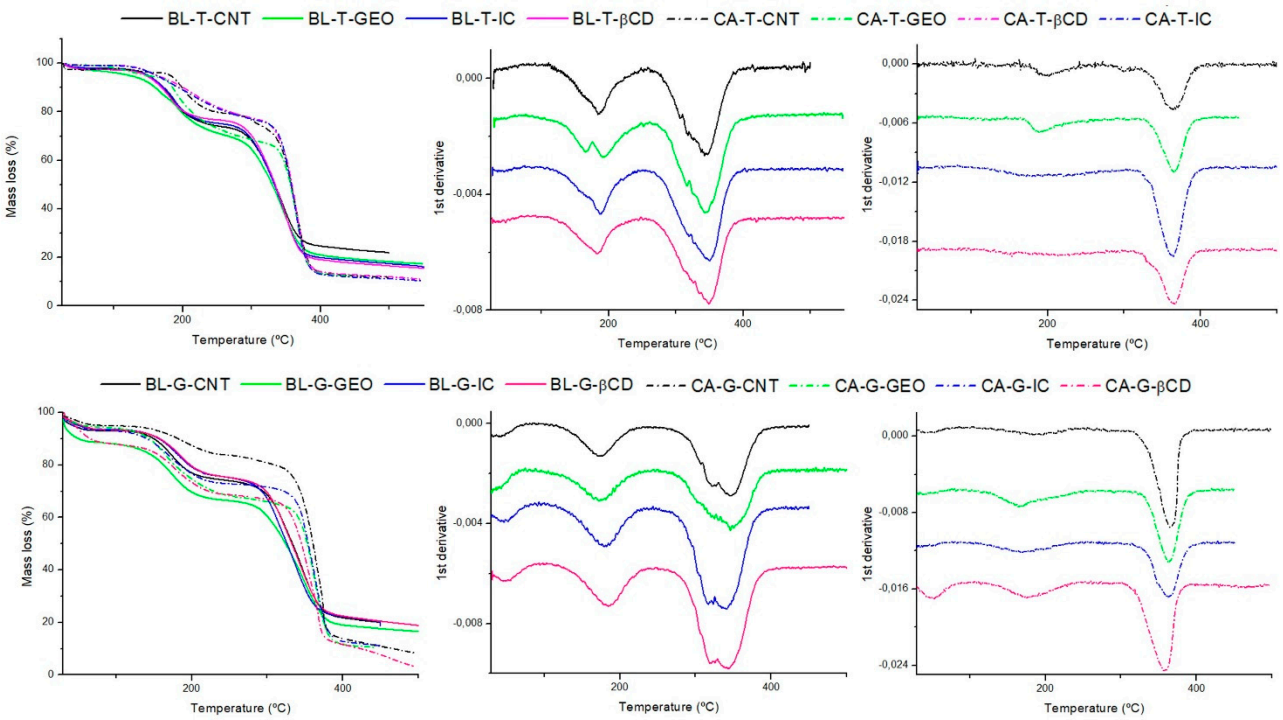

Figure S5. Thermogravimetric (TG) curves and their derivative (DTG) of cellulose acetate (CA) films and CA:zein blends incorporated with tributyrin (T) or glycerol (G) as plasticizers, and garlic essential oil (GEO), β-cyclodextrin (βCD), or inclusion complex (IC).