



**Fig. S1** The  $^1\text{H}$ - NMR spectra of the tested samples. WC (A); GWC (B); WCC (C); WCD (D); WCM (E); WCO (F). WC, waxy corn flour; WCC, WC modified by sodium caproate (C6); WCD, WC modified by sodium decanoate (C10); WCM, WC modified by sodium myristate (C14); WCO, WC modified by sodium oleate (C18).