Sustainable Food Technology

Supplementary material

Poly(ε-caprolactone) nanofibers functionalized with poultry feather hydrolysate as a novel antioxidant material

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Supplementary Table S1

Table S1. Initial, maximum and final decomposition temperature values obtained from the main stage of thermal degradation of PCL nanofibers functionalized with feather keratin hydrolysate (FKH) at different concentration (1, 2.5 and 5% FKH). Weight loss values of this stage are also presented.

Sample	Degradation temperature (°C)			Weight loss (%)
	Initial	Maximum	Final	
PCL control	350	421	457	98.31
1% FKH/PCL	351	421	448	98.01
2.5% FKH/PCL *	347	418	447	88.07
5% FKH/PCL*	352	423	449	92.08

*Samples showing a second stage of thermal degradation.

Supplementary Figure S1

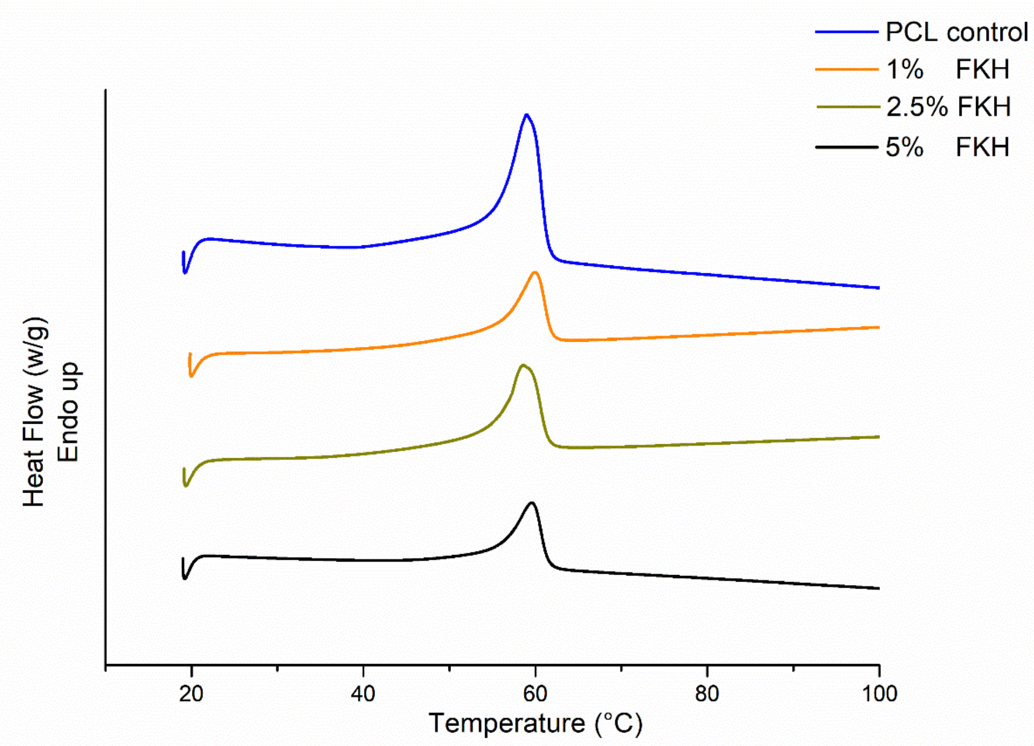

Figure S1. Poly-ε-caprolactone nanofibers thermograms obtained from DSC analyses. Graphs correspond to the heating cycle at 10°C/min. Nanofibers functionalized with feather keratin hydrolysate (FKH) at different concentration (1, 2.5 and 5% FKH) were also evaluated.