ESI for:

Synthesis of Star-shaped Poly(lactide), Poly(valerolactone) and Poly(caprolactone) via ROP Catalyzed by N-donor tin(II) Cations and Comparison of its Wetting Properties with Linear Analogues

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Table S1. The WCAs of tested linear and star-shaped polymers.

polymer	*concentration [% w/w]*		
	0.5	***1***	***2***
PLA-L	73.0 (±1.2)	88.9 (±3.6)	97.2 (±1.0)
PCL-L	78.4 (±0.7)	81.3 (±2.2)	101.4 (±1.0)
PVL-L	79.1 (±1.6)	78.3 (±1.6)	74.6 (±1.7)
PLA-DPE	76.9 (±1.0)	78.3 (±1.6)	79.9 (±1.2)
PCL-DPE	81.8 (±1.2)	82.8 (±1.2)	103.5 (±3.1)
PVL-DPE	72.1 (±1.2)	73.8 (±0.8)	76.0 (±2.2)

Table S2. The WCAs of the formulations containing **SnBO-1** and **SnBO-2**.

polymeric matrix (WCA)	*SnBO-1:polymeric matrix [w/w]*	
	0.5:1	***1:1***
PLA-L (97.2)	74.6 (±1.2)	79.2 (±0.9)
PCL-L (101.4)	94.0 (±1.6)	90.7 (±1.3)
PVL-L (79.1)	85.7 (±0.8)	93.1 (±1.1)
PLA-DPE (79.9)	96.5 (±1.4)	94.8 (±1.5)
PCL-DPE (103.5)	92.1 (±1.9)	97.3 (±1.3)
PVL-DPE (76.0)	78.0 (±2.0)	93.6 (±1.7)
polymeric matrix (WCA)	*SnBO-2:polymeric matrix [w/w]*	
	0.5:1	***1:1***
PLA-L (97.2)	73.9 (±1.2)	94.5 (±1.5)
PCL-L (101.4)	97.4 (±0.8)	100.0 (±1.1)
PVL-L (79.1)	99.0 (±1.4)	100.3 (±0.8)
PLA-DPE (79.9)	85.0 (±1.9)	96.5 (±1.5)
PCL-DPE (103.5)	96.6 (±1.5)	97.7 (±1.6)
PVL-DPE (76.0)	89.6 (±1.2)	95.0 (±0.9)

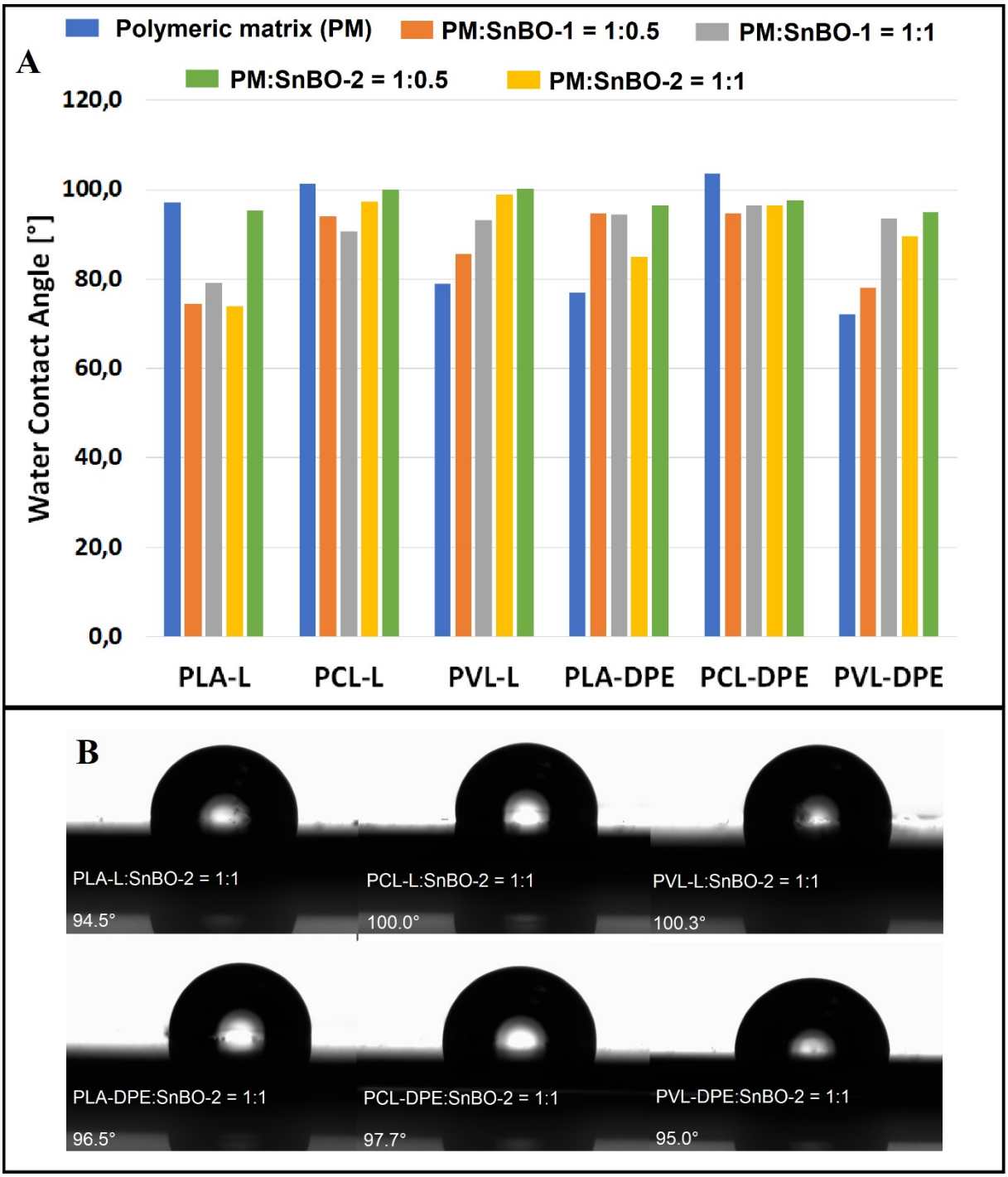

Figure S1. A graphical representation of the WCA of tested formulations containing **SnBO-1** and **SnBO-2**. **B**) Screens of water droplet.