Complex study of physical properties of poly(lactic acid) / poly(3-hydroxybutyrate) blend and its carbon black composite during various outdoor and laboratory ageing

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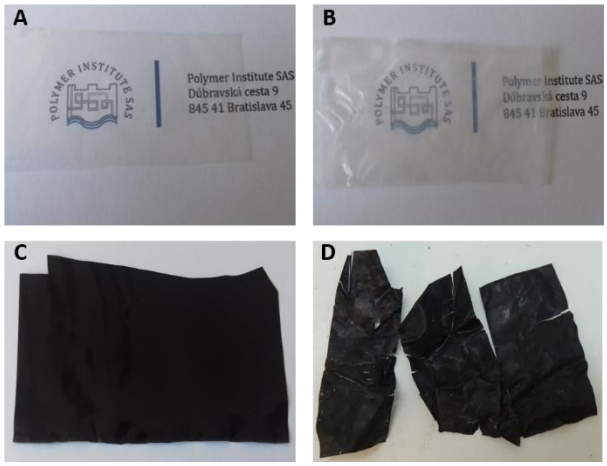
SUPPORTING INFORMATION

Figures Caption:

Figure S1: Photos of PLA/PHB (A,B) and PLA/PHB/CB (C,D) foils after preparation (A,C) and after 1 year of mineralization at 20 °C (B,D).

Figure S2: SEM photos of surface of fracture of PLA/PHB foils a) after preparation, b) after 1 year mineralization at 20 °C, and c) after 3 months of exposure of sunlight and following 1 year mineralization at 20 °C . The samples were fractured in liquid nitrogen.

Figure S3: SEM photos of surface of fracture of PLA/PHB foils filled with 1 wt% of carbon black a) after preparation, b) after 3 months of exposure of sunlight, c) and d) after 1 year mineralization at 20 °C, e) and f) after 3 months of exposure of sunlight and following 1 year mineralization at 20 °C . The samples were fractured in liquid nitrogen.



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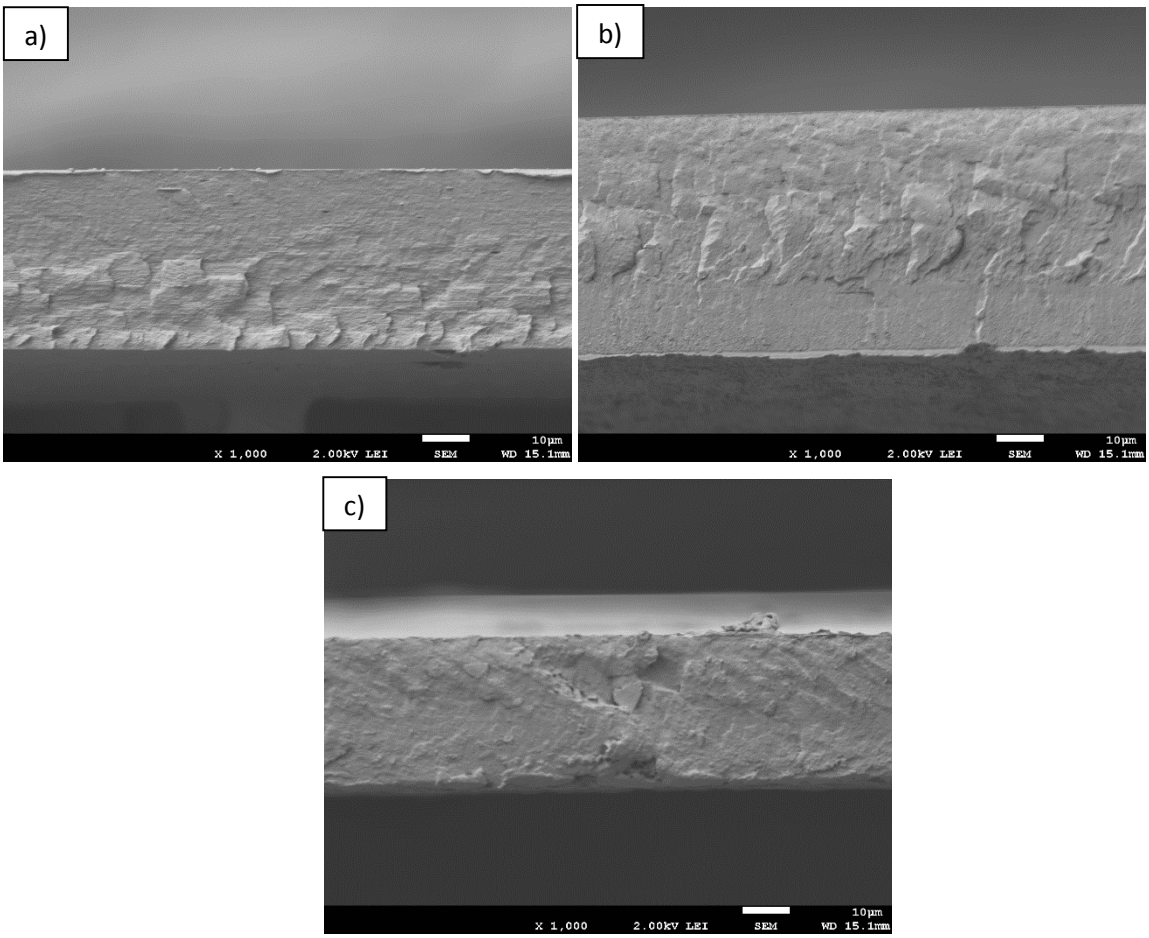
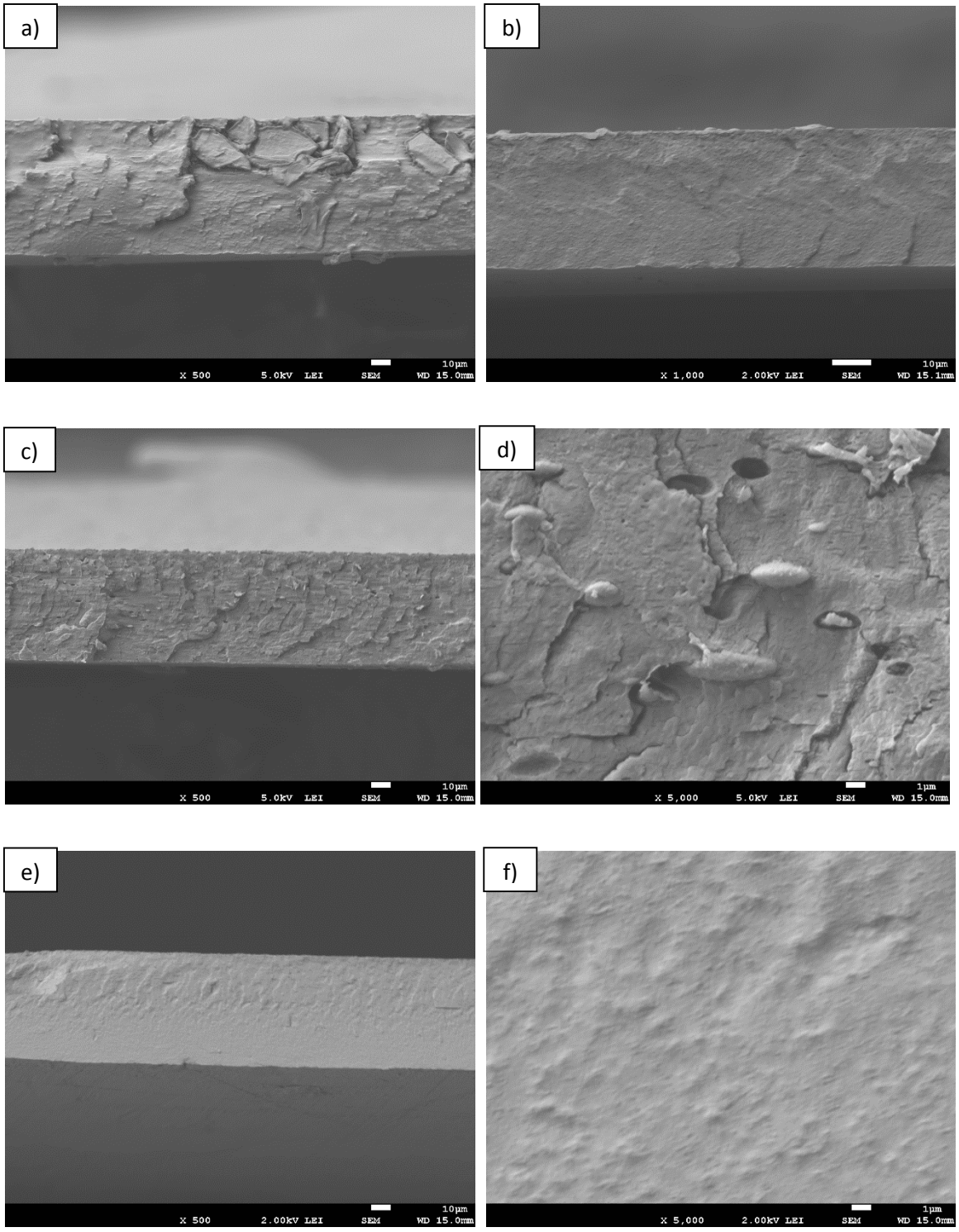


Figure S2: SEM photos of surface of fracture of PLA/PHB foils a) after preparation, b) after 1 year mineralization at 20 °C, and c) after 3 months of exposure of sunlight and subsequent 1 year mineralization at 20 °C . The samples were fractured in liquid nitrogen.



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