





Influence of the Degradation Medium on Water Uptake, Morphology, and Chemical Structure of Poly(Lactic Acid)-Sisal Bio-Composites

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Figure S1. SEM images for PLA bio-composites before water soaking, at 100× (row 1), 500× (row 2) and 2000× (row 3) magnifications.





Figure S2. SEM images for PLA bio-composites after water soaking in distilled water, at 100× (row 1), 500× (row 2) and 2000× (row 3) magnifications.





Figure S3. SEM images for PLA bio-composites after water soaking in natural see water, at 100× (row 1), 500× (row 2) and 2000× (row 3) magnifications.



Figure S4. FTIR spectra of PLA bio-composites: PLA10 (a), PLA20 (b), PLA30 (c). CH stretching region.



Figure S5. FTIR subtraction spectrum [spectrum PLA pH2]-[spectrum PLA].



Figure S6. FTIR spectra of PLA and PLA composites after treatment in aqueous solution (pH = 2): pure PLA (a), PLA10 (b), PLA20 (c), PLA30 (d).



Figure S7. FT IR spectra of PLA and PLA composites after treatment in natural seawater: pure PLA (a), PLA10 (b), PLA20 (c), PLA30 (d).



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