

Supporting Information

# Recycled PLA for 3D Printing: A Comparison of Recycled PLA Filaments from Waste of Different Origins after Repeated Cycles of Extrusion

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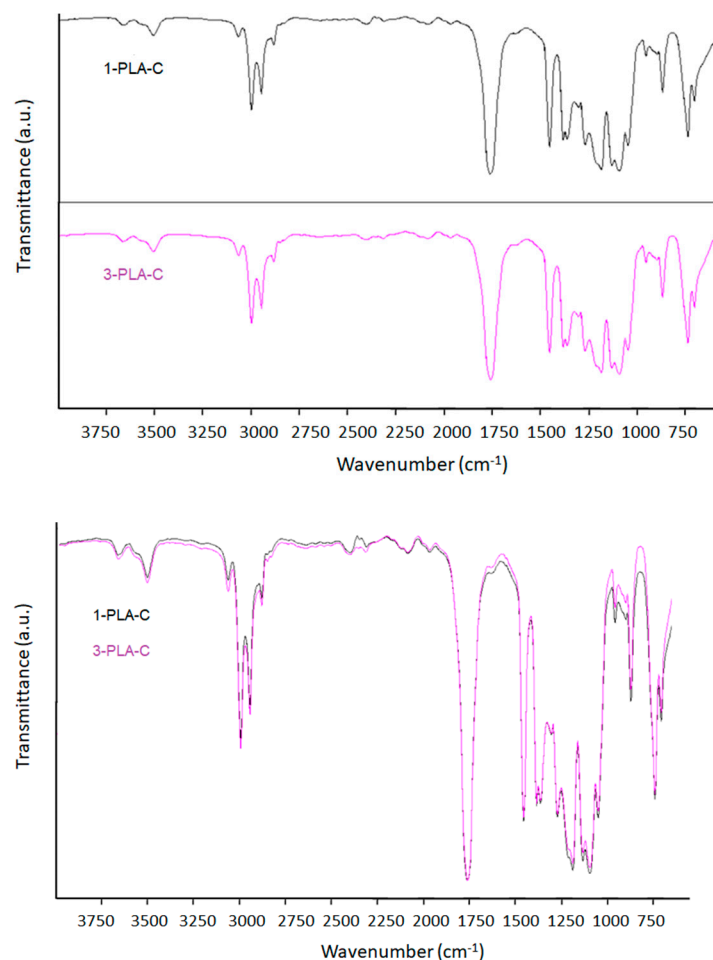
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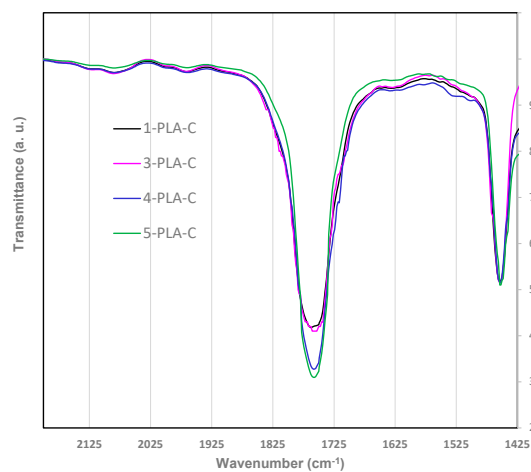
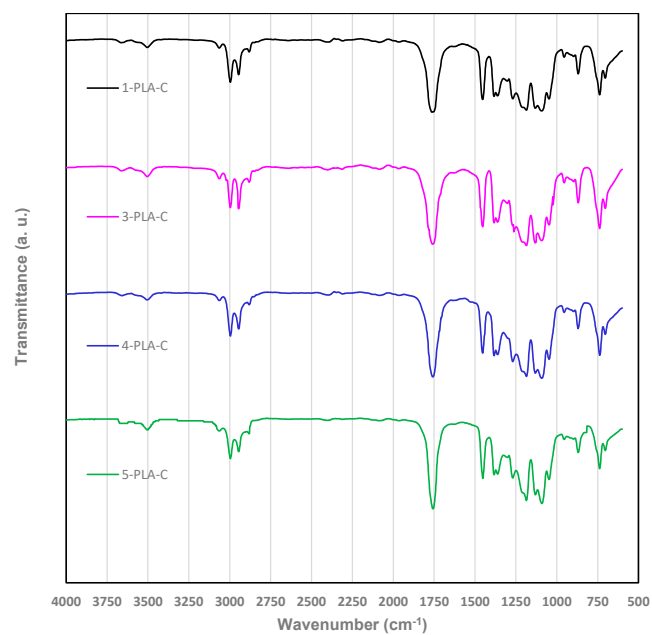
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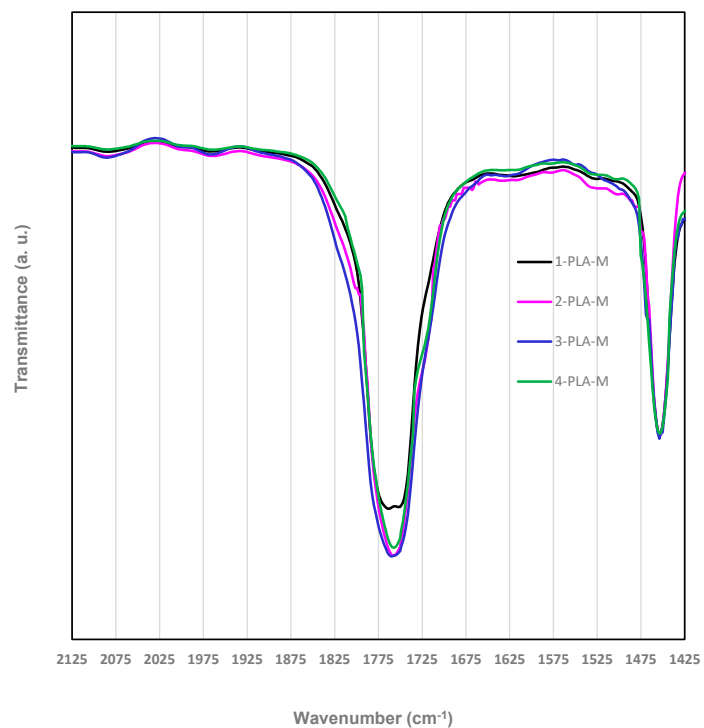
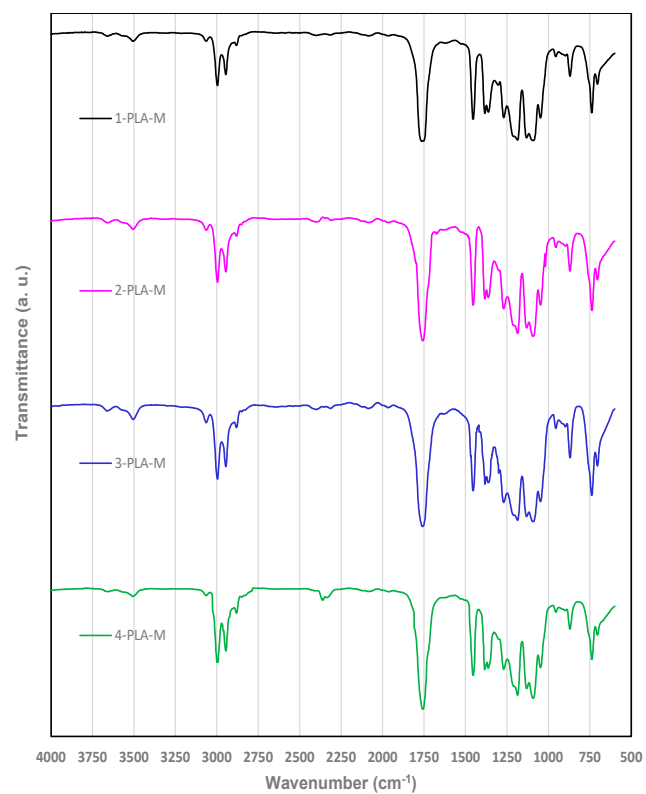
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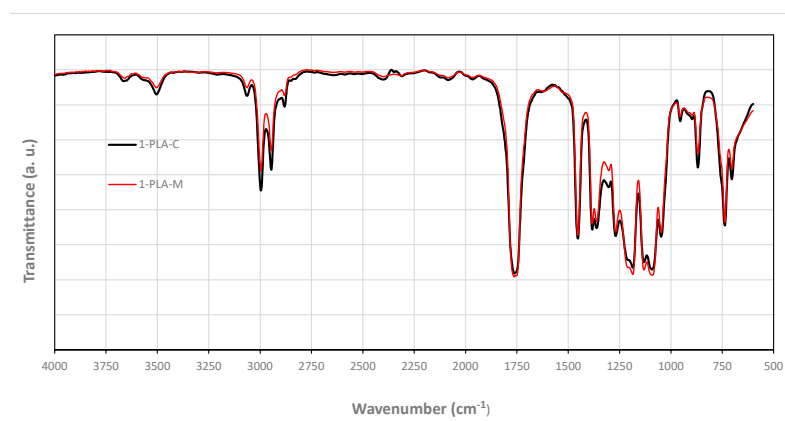
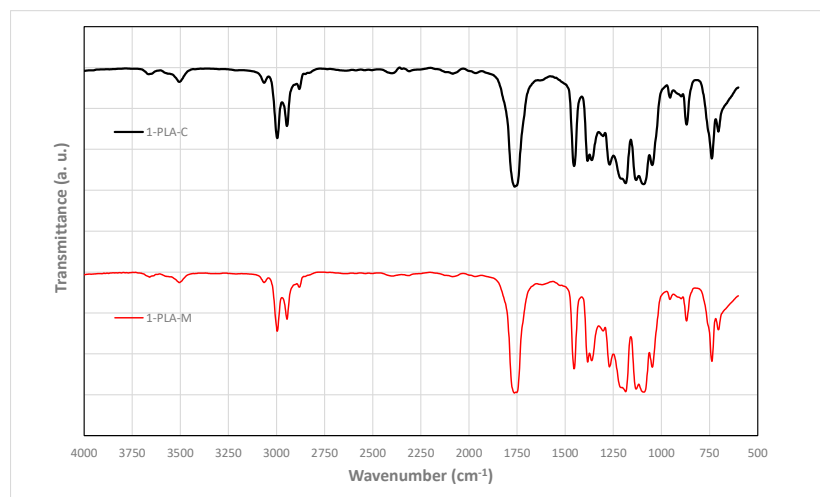
**Figure S1.** FTIR normalized spectra of 1-PLA-C and 3-PLA-C.



**Figure S2.** FTIR normalized spectra of PLA-C series. Expansion of the region 1425-2125  $\text{cm}^{-1}$ .



**Figure S3.** FTIR normalized spectra of PLA-M series. Expansion of the region 1425-2125 cm<sup>-1</sup>.



**Figure S4.** FTIR normalized spectra of 1-PLA-C and 1-PLA-M.