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Supplementary Data

Design and fabrication of mechanically strong nano-matrices of linseed oil based polyesteramide blends

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Table 1S Different composition of alone PLA

Sr.No	PLA Composition	Results
1	2%	No nanofibers
2	4%	No nanofibers
3	6%	No nanofibers
4	8%	No nanofibers
5	9%	No nanofibers
6	10%	No nanofibers
7	11%	No nanofibers
8	12%	No nanofibers
9	13%	Nanofibers with large diameter



Triclosan



Metranidazole



Poly(lactic acid)

Linseed oil based polyesteramide (LPEA)





Figure 2S: FT-IR Spectra of LPEA.



Chemical Shift (ppm)

Figure 3S: ¹H NMR Spectra of LPEA.



Figure 4S: GPC Chromatogram of LPEA



Figure 5S: Contact angle measurements of nano-matrices with and without drug



Figure 6S: XRD of individual polymers and nano-matrices with and without triclosan



Figure 7S: XRD of nano-matrices with and without metranidazole



Figure 8S: Thermo gravimetric analysis (TGA)



Figure 9S: Cell viability study of fibroblast L929 cells in presence of samples after 8 h



Figure 10S: Cell viability study of fibroblast L929 cells in presence of samples after 16 h



Figure 11S: Cell viability study of fibroblast L929 cells in presence of samples after 32 h

Sample ID Inhibition zone S.No Drug (%) diameter(cm) 0 LPH-381 0 1 2 5 LPH-382-Tcs5 2.1 LPH-382-Tcs-10 3 10 2.3 4 15 LPH-382-Tcs15 2.5

Table 2S: Inhibition zone diameters of nano-matrices