Supplementary Materials

Silver Nanoparticles Loaded on Polyethylene Terephthalate Films Grafted with Chitosan

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WORKSHEET 1

One-way ANOVA: Control, PET, PTN, PTC, PETC, PETCAg-500, PETCAg-1000, PETCAg-3000, PETCAg-5000

Method

Null hypothesis	All means are equal
Alternative hypothesis	Not all means are equal
Significance level	$\alpha = 0.05$

Equal variances were assumed for the analysis.

Factor Information

Factor	Levels	Values
Factor	9	Control, PET, PTC, PTI, PTN, PETCAg-500, PETCAg-1000, PETCAg-3000, PETCAg-5000

Table S1. Analysis of Variance.

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Factor	8	2848.8	356.10	10.14	0.000
Error	18	632.3	35.13		
Total	26	3481.1			

Table S2. Model Summary.

S	R-sq	R-sq(adj)	R-sq(pred)
5.92681	81.84%	73.76%	59.13%

Table S3. Means.

Factor	N	Mean	StDev	95% CI
Control	3	100.00	8.00	(92.81, 107.19)
PET	3	85.100	1.600	(77.911, 92.289)
PTC	3	74.93	8.80	(67.74, 82.12)
PTI	3	83.60	3.50	(76.41, 90.79)
PTN	3	82.20	2.90	(75.01, 89.39)
PETCAg-500	3	75.80	5.00	(68.61, 82.99)
PETCAg-1000	3	59.00	9.20	(51.81, 66.19)
PETCAg-3000	3	85.00	3.40	(77.81, 92.19)
PETCAg-5000	3	80.00	5.50	(72.81, 87.19)

Pooled StDev = 5.92681

Fisher Pairwise Comparisons

Table S4. Grouping Information Using the Fisher LSD Method and 95% Confidence.

Factor	N	Mean	Grouping		
Control	3	100.00	A		
PET	3	85.100		B	
PETCAg-3000	3	85.00		B	
PTI	3	83.60		B	
PTN	3	82.20		B	
PETCAg-5000	3	80.00		B	
PETCAg-500	3	75.80		B	
PTC	3	74.93		B	
PETCAg-1000	3	59.00			C

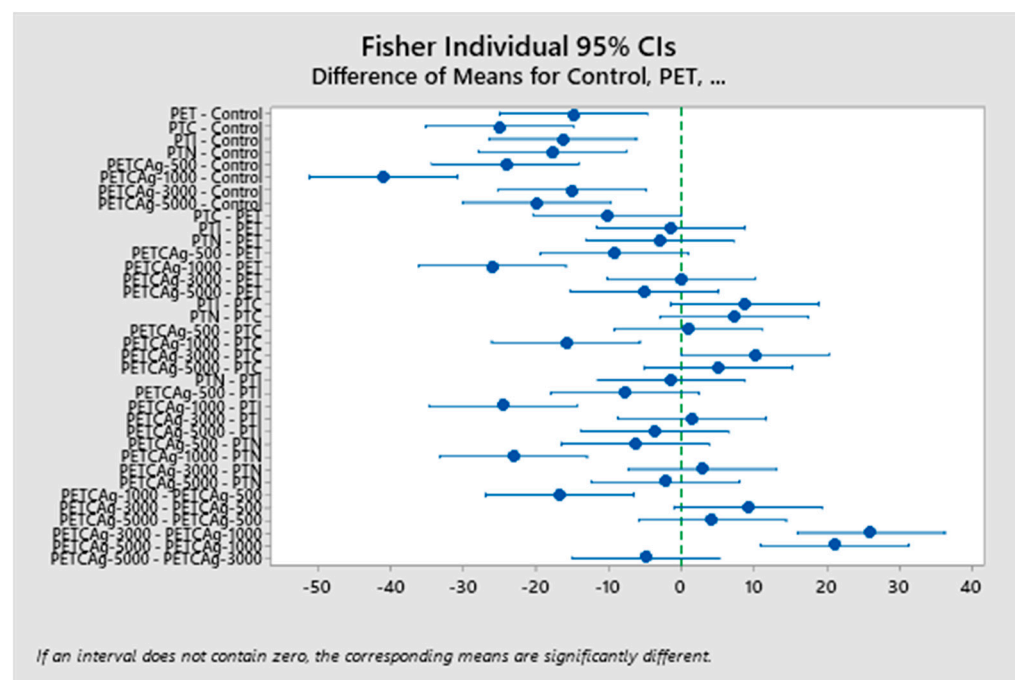Means that do not share a letter are significantly different.
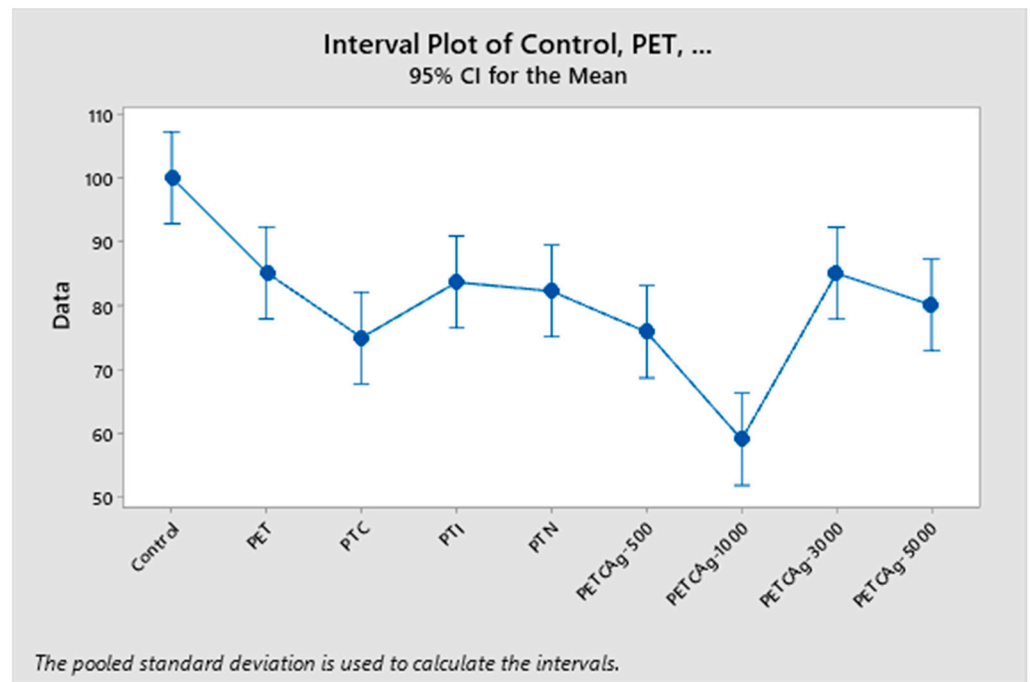

Figure S1. Fisher individual 95 %.
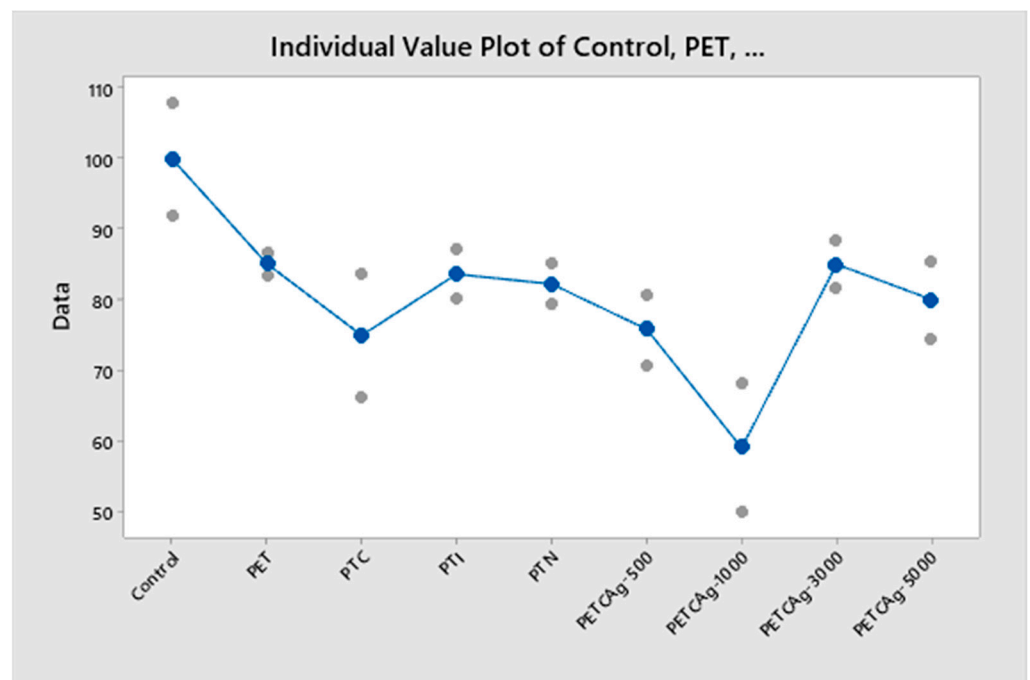
Figure S2. Interval plot of control PET.

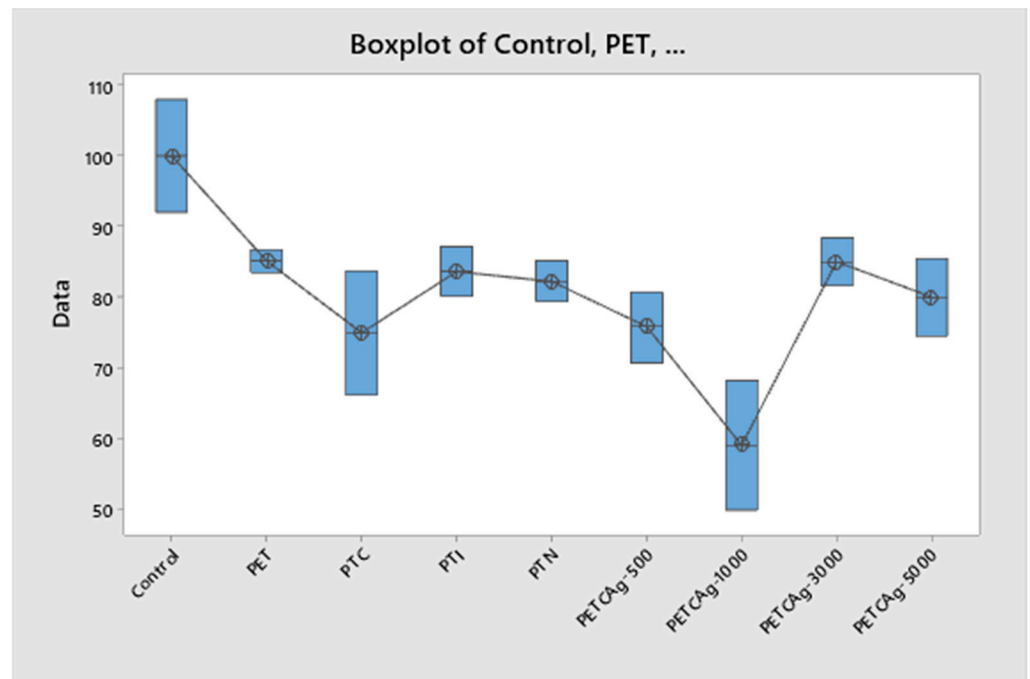**Figure S3.** Individual value plot of control PET.

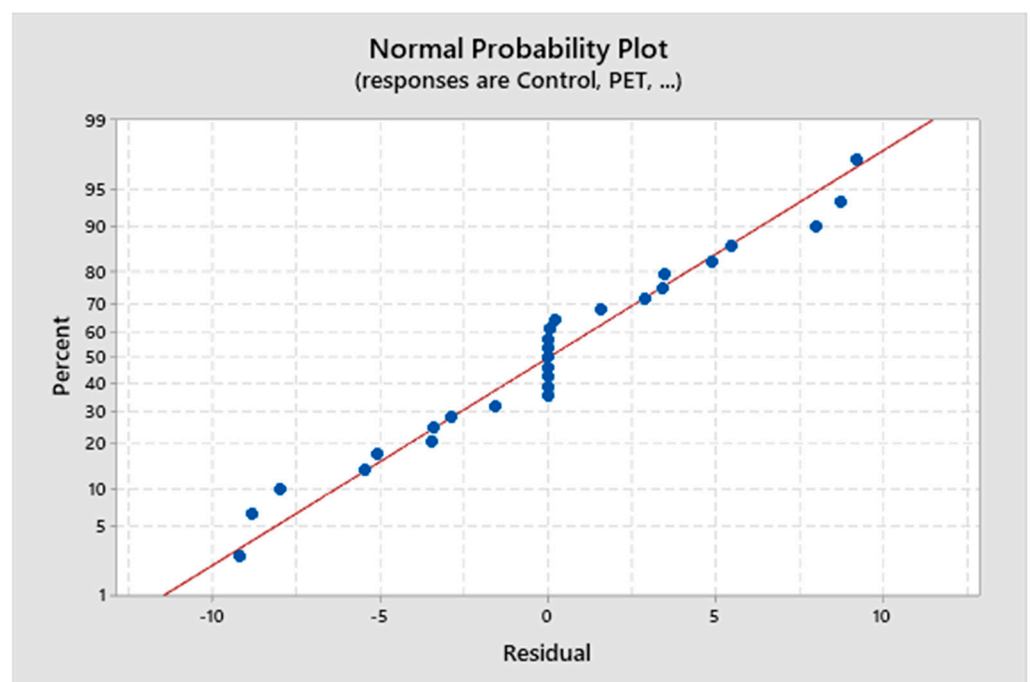**Figure S4.** Boxplot of control PET.
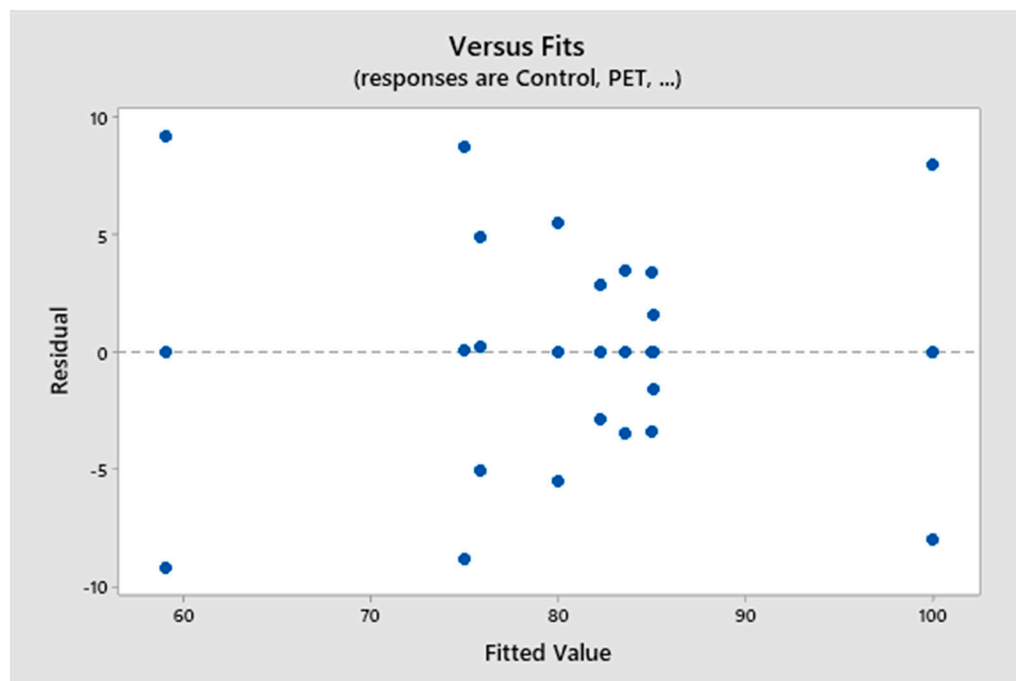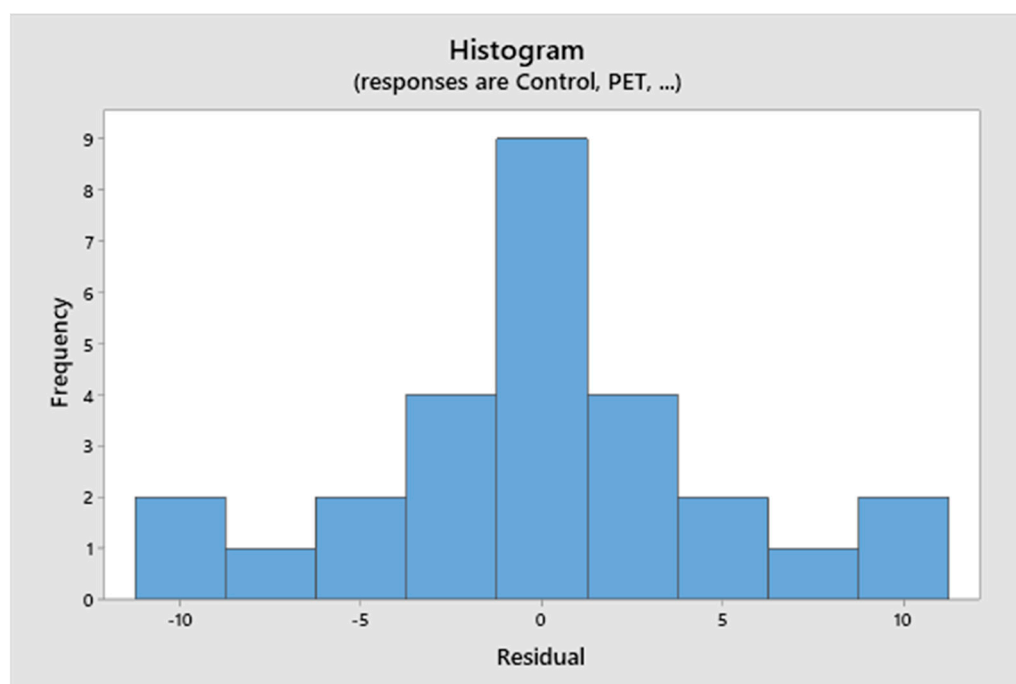

Figure S5. Normal Probability Plot.

Figure S6. Versus fits.

Figure S7. Histogram of residual values.