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Supplementary data

**Synthesis and characterization of a new type of levan-graft-polystyrene
copolymer**

Branka Kekez¹, Gordana Gojgić-Cvijović², Dragica Jakovljević², **Vladimir Pavlović³**, Vladimir Beškoski¹, Aleksandar Popović¹, Miroslav M. Vrvic¹, Vladimir Nikolić⁴

¹*Faculty of Chemistry, University of Belgrade, Studentski trg 12-16, Belgrade 11000, Serbia.*

²*Institute of Chemistry, Technology and Metallurgy, University of Belgrade, Njegoševa 12, 11000 Belgrade, Serbia.*

³*Faculty of Agriculture, University of Belgrade, Nemanjina 6, Belgrade 11080, Serbia,*

⁴*Innovation Center, Faculty of Chemistry, University of Belgrade, Studentski trg 12-16, Belgrade 11000, Serbia.*

Table S1. Influence of temperature in oxygen atmosphere on G (%)

Temperature (°C)	G (%)
45	0
50	0
55	10.3
60	24.1
65	17.5
70	14.7

Table S2. Influence of temperature on G (%) in the presence of air and DMEA amine

Temperature (°C)	G (%)
35	28.5
40	36.9
45	23.9
50	8.1
55	5.2
60	0
70	0

Table S3. Influence of temperature in nitrogen atmosphere on G (%)

Temperature (°C)	G (%)
40	0
45	16.0
50	35.8
55	50.9
60	0
65	0
70	0

Table S4. Influence of reaction time on G (%) at 55 °C

Reaction time (min)	G (%)
30	0
45	9.6
60	12.5
90	12.6
120	33.6
150	32.8
180	50.9
210	31.5

Table S5. Influence of reaction time on G (%) at 70 °C

Reaction time (min)	G (%)
15	11.2
30	24.0
45	53.7
60	32.4
90	32.1
120	0
150	0

Table S6. Influence of ascorbic acid concentration on G (%)

Ascorbic acid ($\times 10^{-4}$ mol)	G (%)
0.75	0
1.12	1.4
1.25	4.2
1.50	11.8
1.75	5.1
1.88	1.6
2.25	0