Supplementary Materials

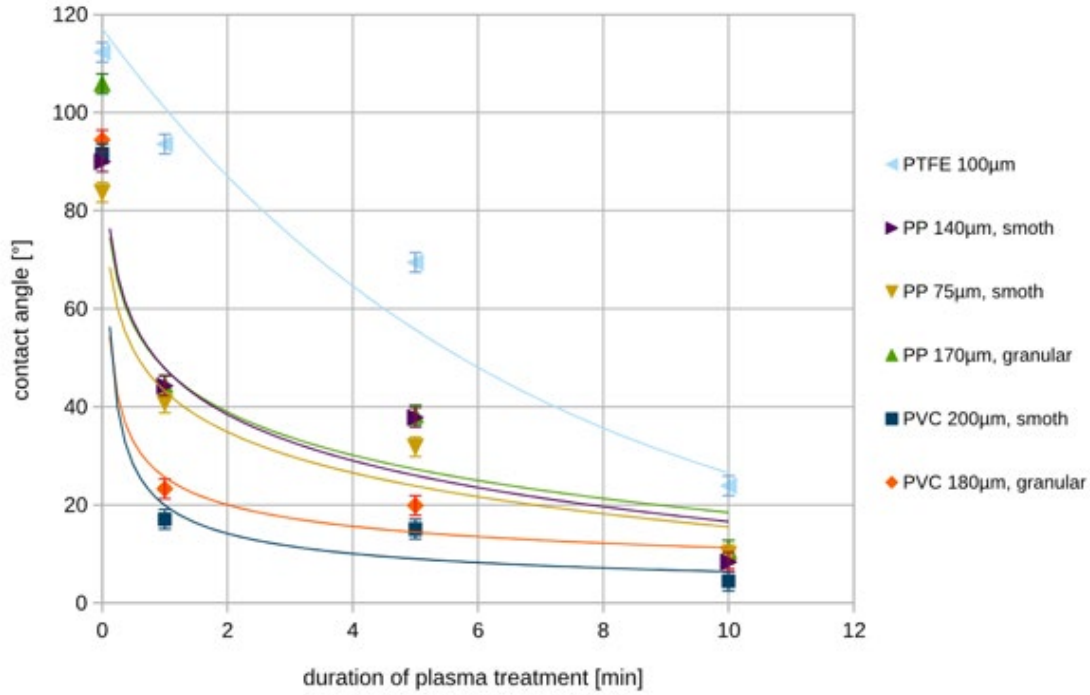


Figure S1: Variation of treatment time with treatment at (9 ±1) W power and (21,9 ± 0,3) Pa pressure for different polymers.

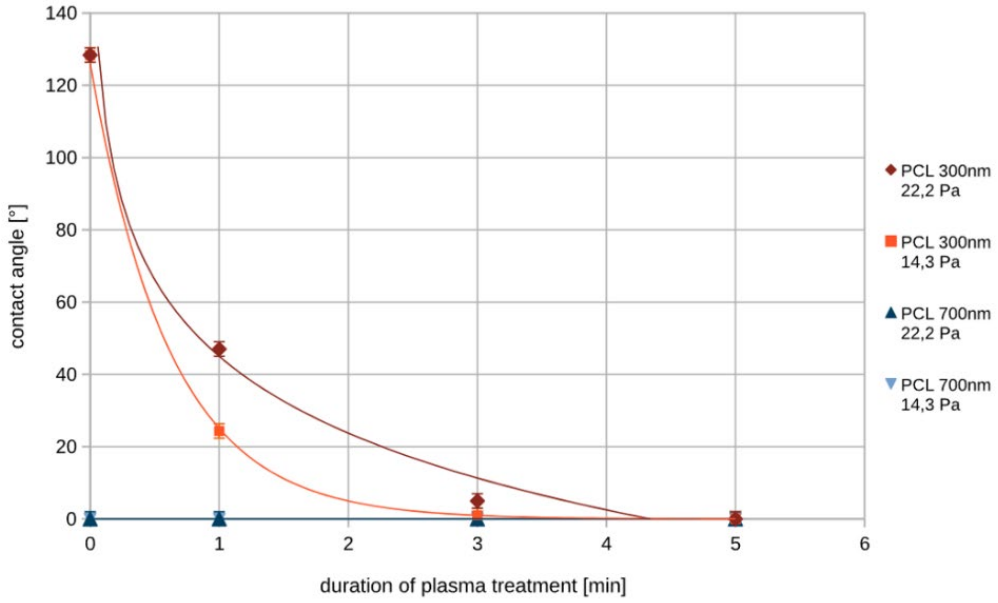


Figure S2: Variation of treatment time for PCL (650 nm, 1680 nm) with treatment at (8 ± 2) W power and two different pressures ((14,3 ± 0,2) Pa and (22,2 ± 0,2) Pa).

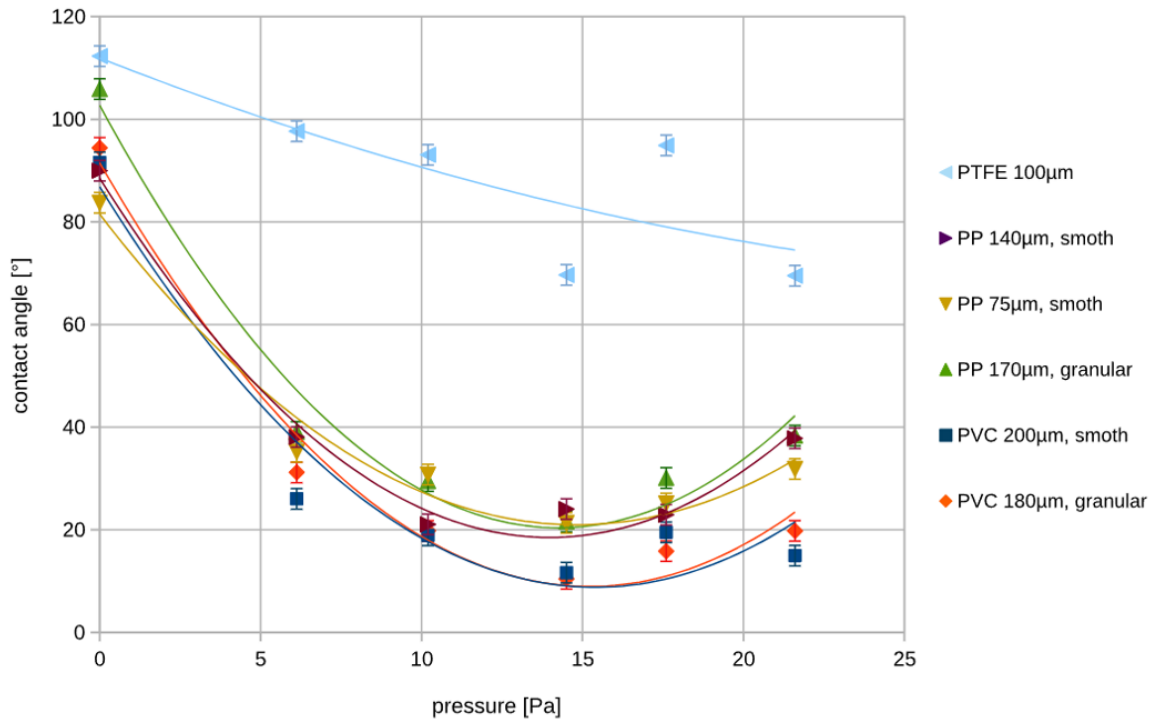


Figure S3: Variation of pressure with 5-minute plasma treatment at (8 ± 2) W power for different polymers.

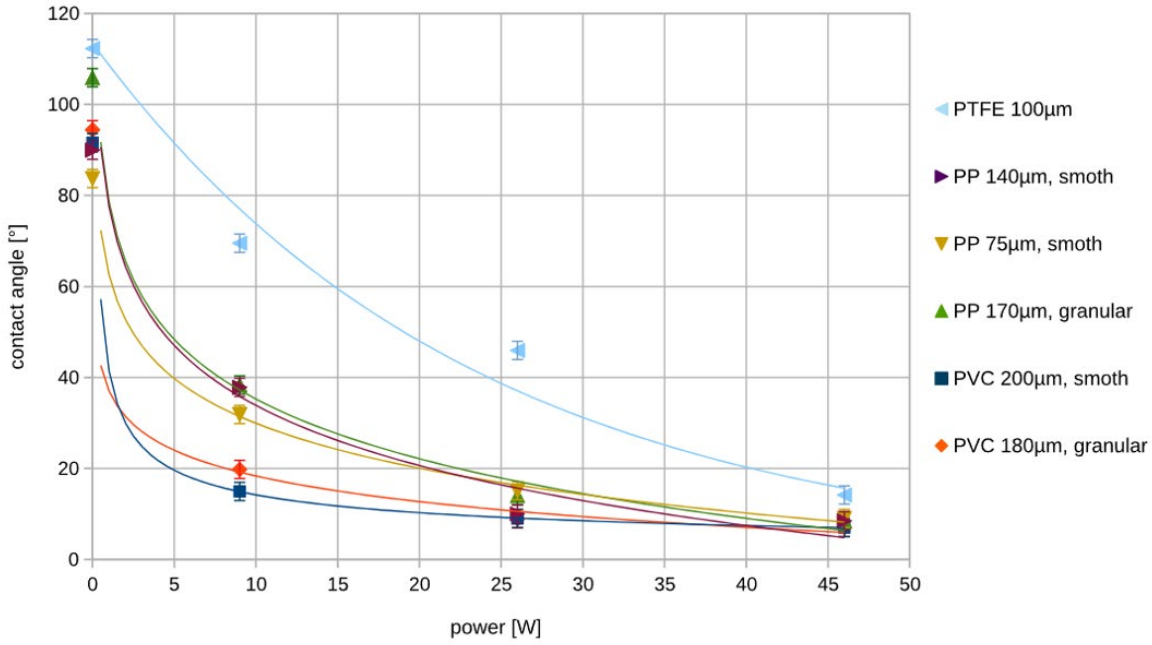


Figure S4: Variation of power with 5-minute plasma treatment at (21,8 ± 0,2) Pa pressure for different polymers.

Table S1. Variation of treatment time and wetting medium for a treatment with power of (9 ± 1) W at (21, 9 ± 0, 3) Pa pressure.

Material	Medium	Time / min	Contact angle / °	σ
PTFE 100µm	dest. water	0 ± 0.2	112 ± 2	0.4
		1 ±0.2	94 ± 2	0.1
		5 ± 0.2	69 ± 2	0.2
		10 ± 0.2	24 ± 2	0.5
	DMEM	0 ± 0.2	126 ± 2	0.6
		1 ± 0.2	93 ± 2	0.6
		5 ± 0.2	68 ± 2	1.1
		10 ± 0.2	62 ± 2	0.9
PP-foil smooth, 140µm	dest. water	0 ± 0.2	90 ± 2	0.1
		1 ± 0.2	44 ± 2	0.1
		5 ± 0.2	38 ± 2	0.1
		10 ± 0.2	8 ± 2	0.1
	DMEM	0 ± 0.2	90 ± 2	0.2
		1 ± 0.2	40 ± 2	0.2
		5 ± 0.2	31 ± 2	0.1
		10 ± 0.2	18 ± 2	1.5
PP-foil granular, 170µm	dest. water	0 ± 0.2	106 ± 2	0.3
		1 ± 0.2	44 ± 2	0.2
		5 ± 0.2	38 ± 2	0.1
		10 ± 0.2	11 ± 2	0.5
	DMEM	0 ± 0.2	107 ± 2	0.4
		1 ± 0.2	43 ± 2	0.1
		5 ± 0.2	35 ± 2	0.1
		10 ± 0.2	21 ± 2	0.1
PP-foil smooth, 75µm	dest. water	0 ± 0.2	84 ± 2	0.2
		1 ± 0.2	41 ± 2	0.1
		5 ± 0.2	32 ± 2	0.1
		10 ± 0.2	10 ± 2	~
	DMEM	0 ± 0.2	89 ± 2	0.3
		1 ± 0.2	39 ± 2	0.1
		5 ± 0.2	17 ± 2	1.0
		10 ± 0.2	15 ± 2	1.5
PVC-foil granular, 180µm	dest. water	0 ± 0.2	94 ± 2	0.4
		1 ± 0.2	23 ± 2	0.9
		5 ± 0.2	20 ± 2	0.7
		10 ± 0.2	9 ± 2	~
	DMEM	0 ± 0.2	99 ± 2	0.4
		1 ± 0.2	38 ± 2	0.2
		5 ± 0.2	24 ± 2	0.2
		10 ± 0.2	14 ± 2	0.7
PVC-foil smooth, 200µm	dest. water	0 ± 0.2	92 ± 2	0.5
		1 ± 0.2	17 ± 2	0.2

		5 ± 0.2	15 ± 2	0.6
		10 ± 0.2	4 ± 2	1.4
	DMEM	0 ± 0.2	96 ± 2	0.3
		1 ± 0.2	25 ± 2	0.5
		5 ± 0.2	28 ± 2	0.2
		10 ± 0.2	7 ± 2	1.4