

Supplementary data

Manuscript: Pre-treatment strategies for value addition in poultry litter

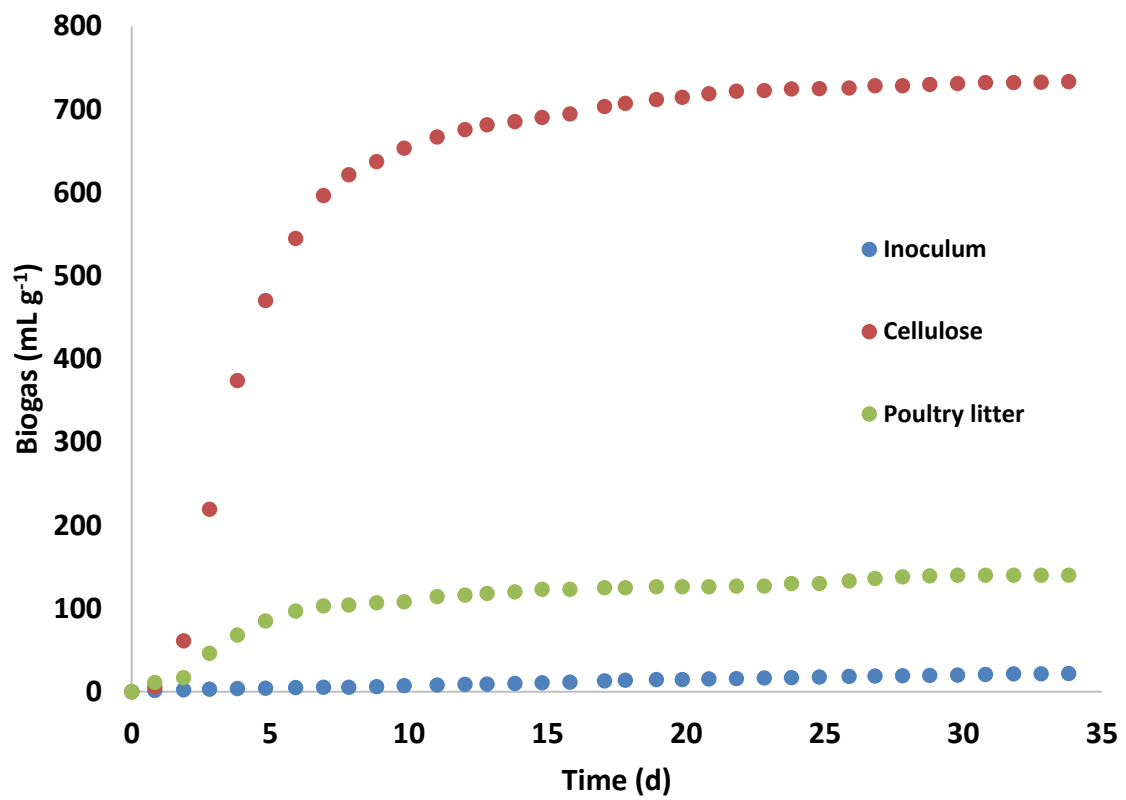


Figure A. Profile of cumulative biogas observed for inoculum (negative control or “blank” – blue points), microcristaline cellulose (positive control – red points) and crude poultry litter (sample without pretreatment).

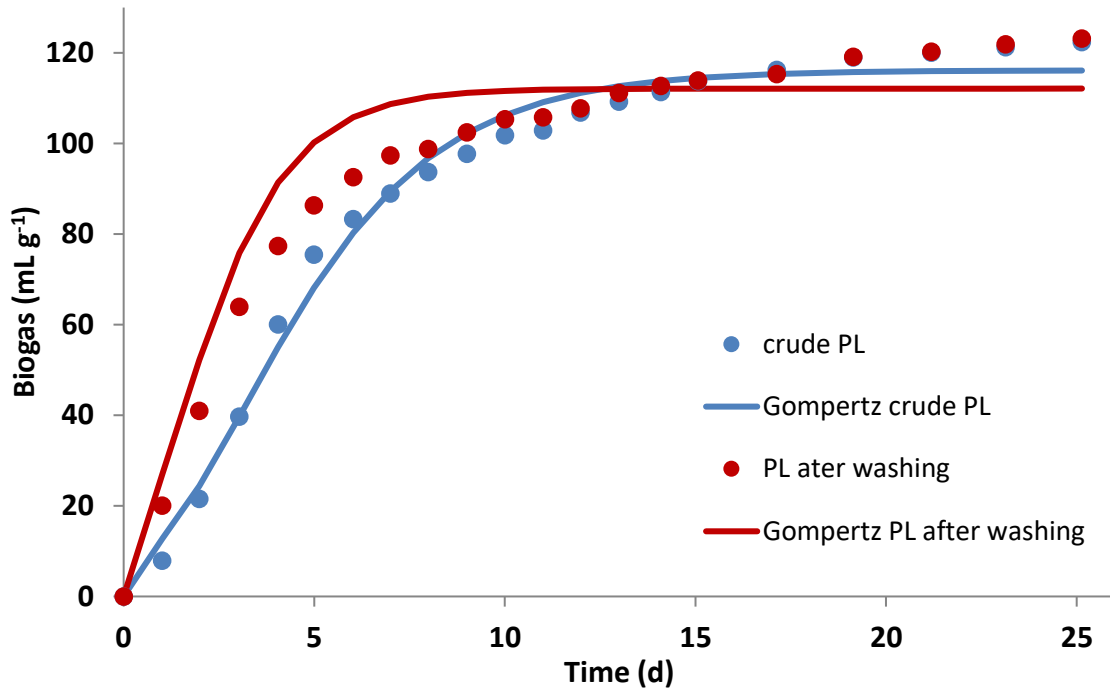


Figure B. Profile of cumulative biogas observed for exploratory experimente after PL washing process. Crude PL: blue points; PL after washing: red points; Gompertz model adjusted to crude PL data: blue line; Gompertz model adjusted to data from PL after washing: red line.

Table A. The kinetics parameters using Gompertz model for PL crude and after washing exploratory experiment. Where: A = maximum BPP, r_m = maximum biogas production rate, r_m day = day of occurrence of the maximum biogas production rate, λ = lag phase and R^2 = determination coefficient. The means followed by the same letters in the columns do not differ statistically by the Tukey test (5%).

Treatment	A (mL g ⁻¹)	r_m (mL g ⁻¹ d ⁻¹)	r_m day (d)	λ (d)	R^2
Crude PL	116.0 ± 24.1 ^a	15.8 ± 1.0 ^b	3.2 ± 0.6 ^d	0.5 ± 0.2 ^f	0.9955 ± 0.0083
After washing	113.1 ± 2.8 ^a	25.6 ± 2.2 ^c	1.6 ± 0.2 ^e	0.0 ± 0.0 ^g	0.9391 ± 0.0209