Supplementary

Elevated biogas production from the anaerobic co-digestion of farmhouse waste: Insight into the process performance and kinetics

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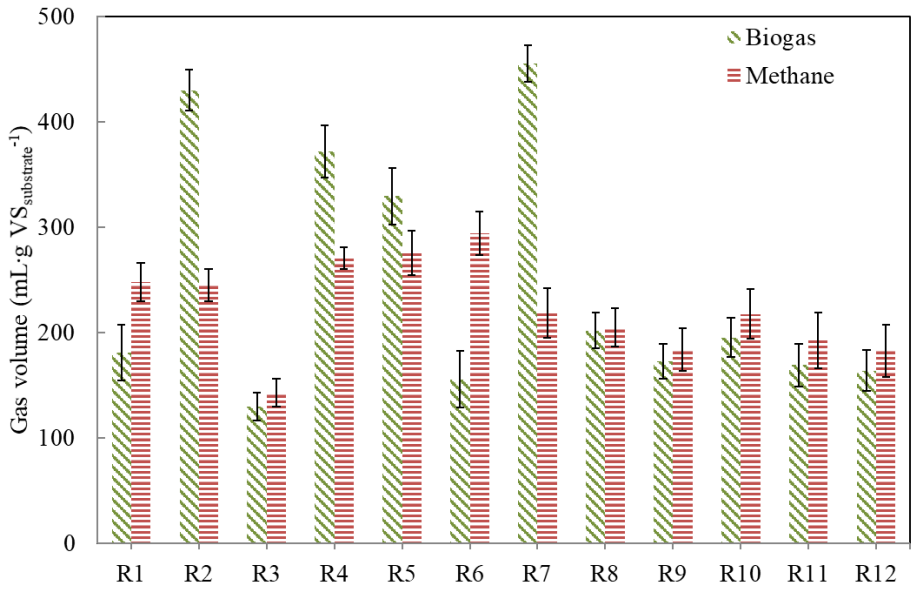

Figure S-1 Biogas and methane production for the mono-digestion (R1→3) and co-digestion (R4→12) tests.

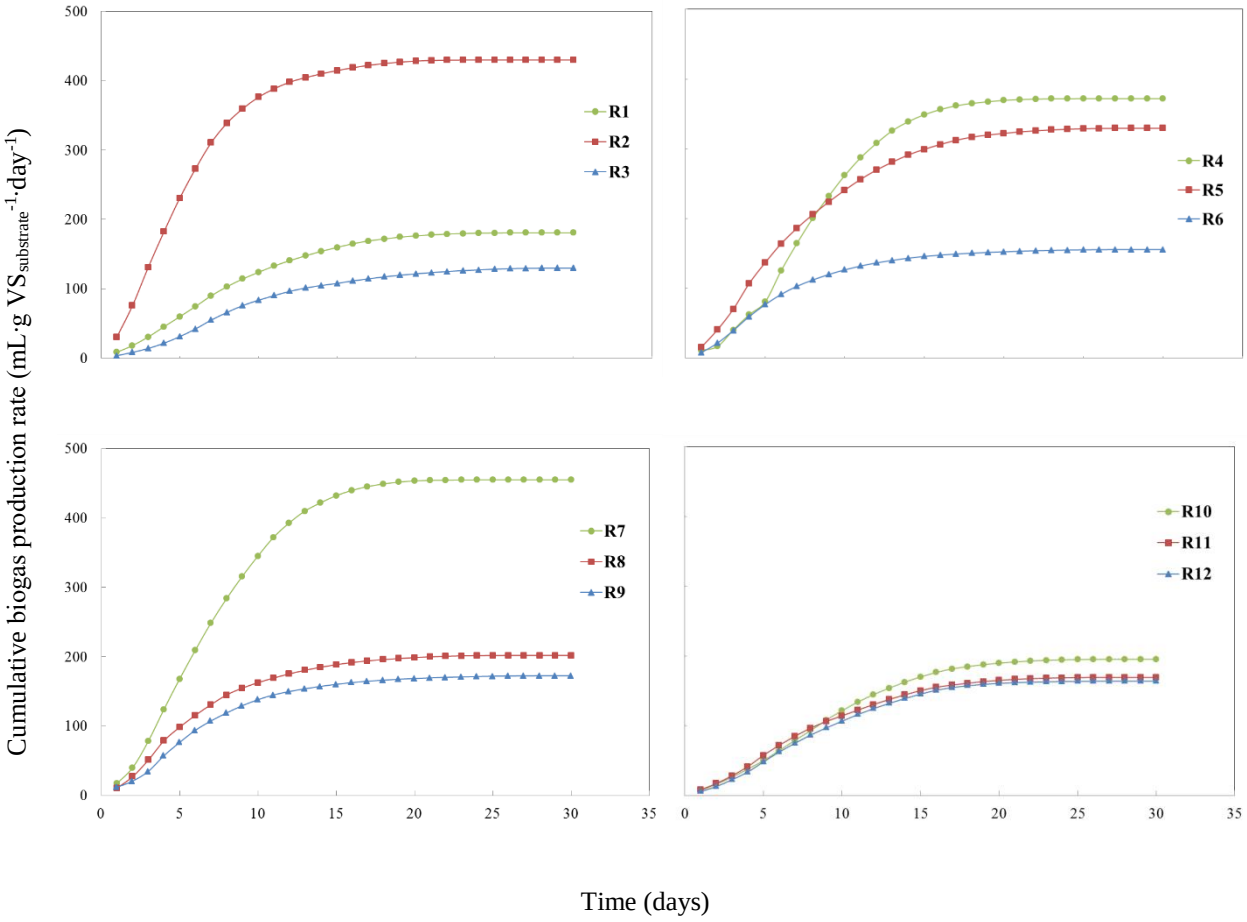

Figure S-2 Cumulative biogas production for the mono-digestion (R1→3) and co-digestion (R4→12) tests.

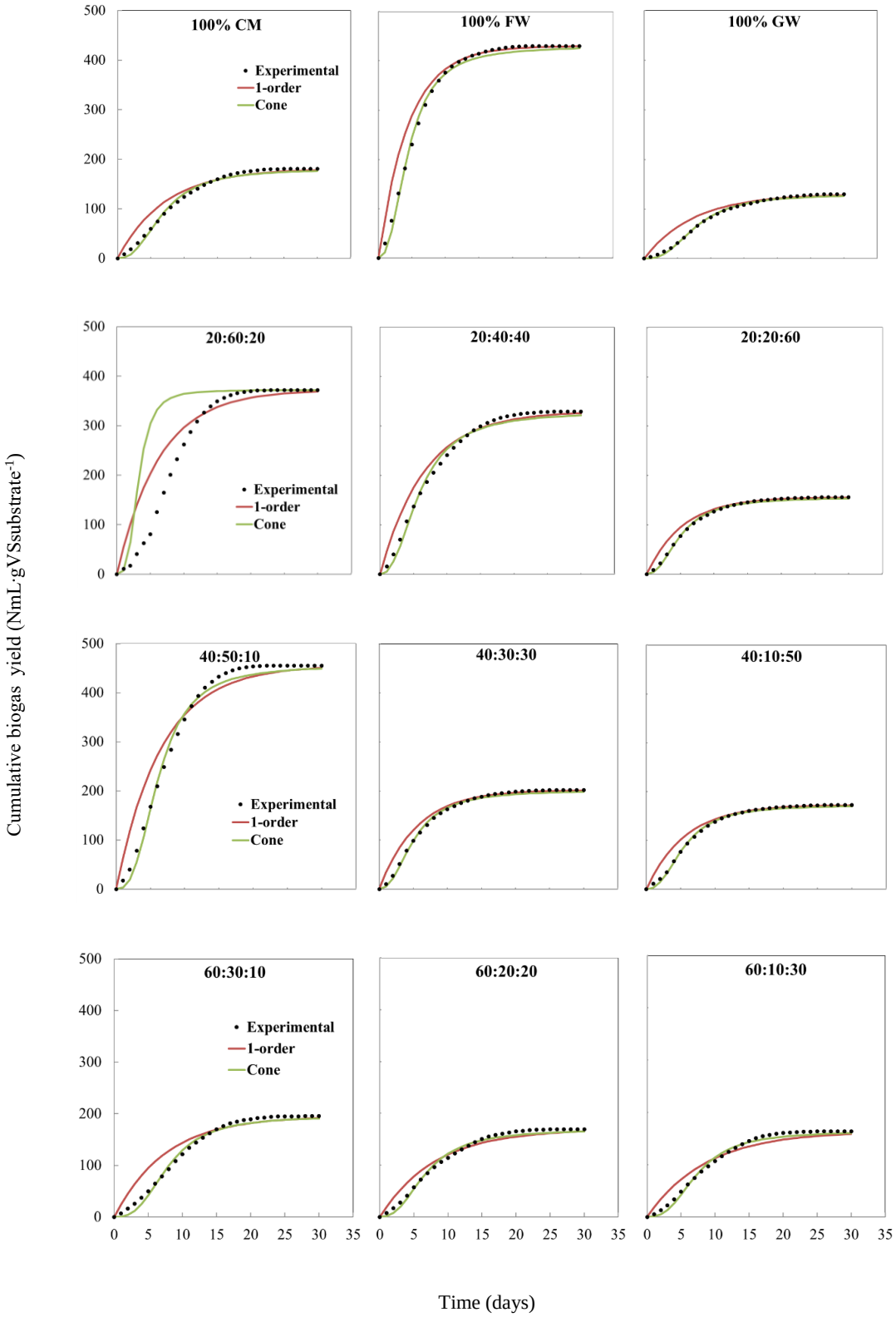

Figure S-3 Plot of measured and predicted biogas yields for the mono-digestion (R1→3) and co-digestion (R4→12) tests.

Table S - 1Biogas yield, VS removal and technical digestion time for all the reactors.

Particular	Biogas yield ($mL \cdot g\ VS_{substrate}^{-1}$)	VS removal (%)	T_{80} (d)
R1	180.8 (14.3)	41.7 (3.9)	7
R2	429.9 (16.7)	43.5 (2.6)	12
R3	129.8 (13.5)	30.8 (2.8)	15
R4	371.9 (19.4)	45.4 (4.1)	6
R5	329.5 (20.2)	44.0 (3.9)	6
R6	155.8 (15.3)	48.2 (4.6)	8
R7	455.1 (19.6)	36.1 (2.5)	8
R8	201.9 (16.8)	35.6 (3.0)	12
R9	172.7 (10.9)	31.9 (2.7)	14
R10	195.3 (17.1)	37.5 (3.4)	9
R11	169.3 (16.3)	38.6 (2.9)	10
R12	163.9 (12.7)	35.3 (3.1)	8

Values are the average of three determinations and numbers in parentheses are the standard deviations.