Supplementary materials

Error Percentage for Stripping Experiments

Table S1. Experimental data points performed in replicates, average ammonia recovery and standard deviation.

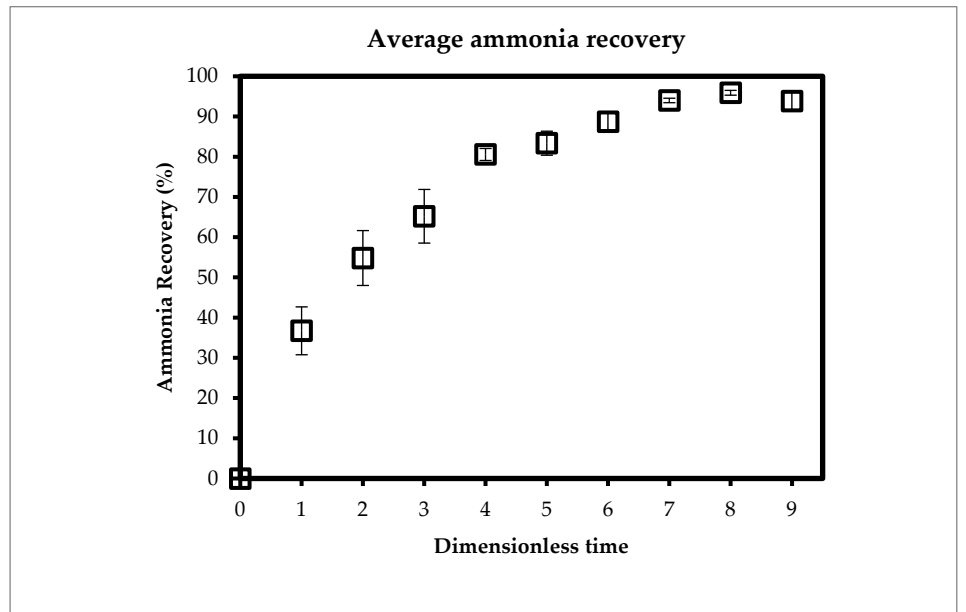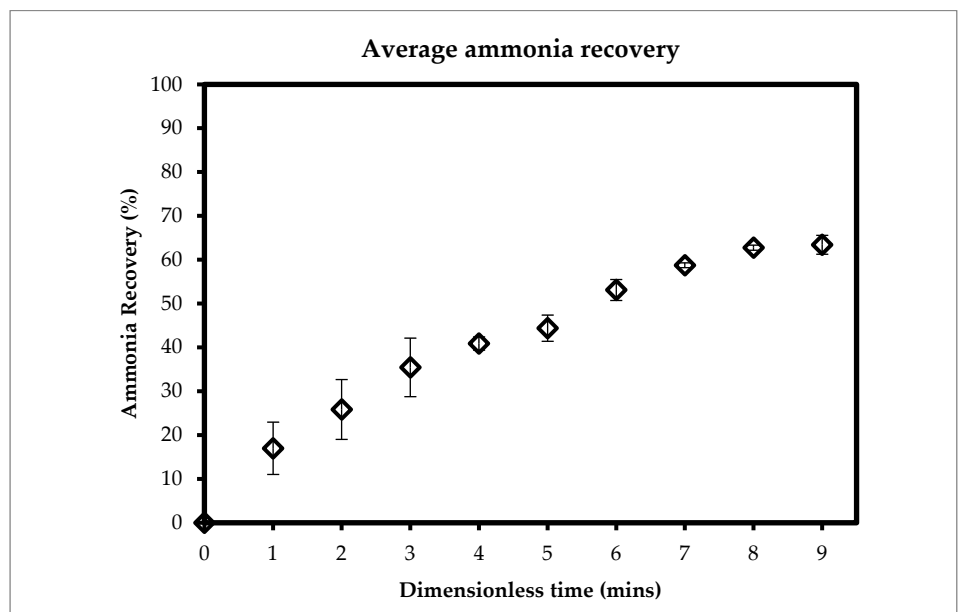| S. No	Stripping Gas Composition	Final Ammonia Recovery (%)	Standard Deviation	Process Conditions
1	100% air	93.86	2.16	Temperature (℃) = 57
2	80% N_2-20% CO_2	63.42	4.41	pH = 9.5
3	60% CH_4-40% CO_2	53.18	2.72	G/L = 1500

Figure S1. Ammonia recovery averaged over three trials using air (0% CO_2) as the stripping gas.
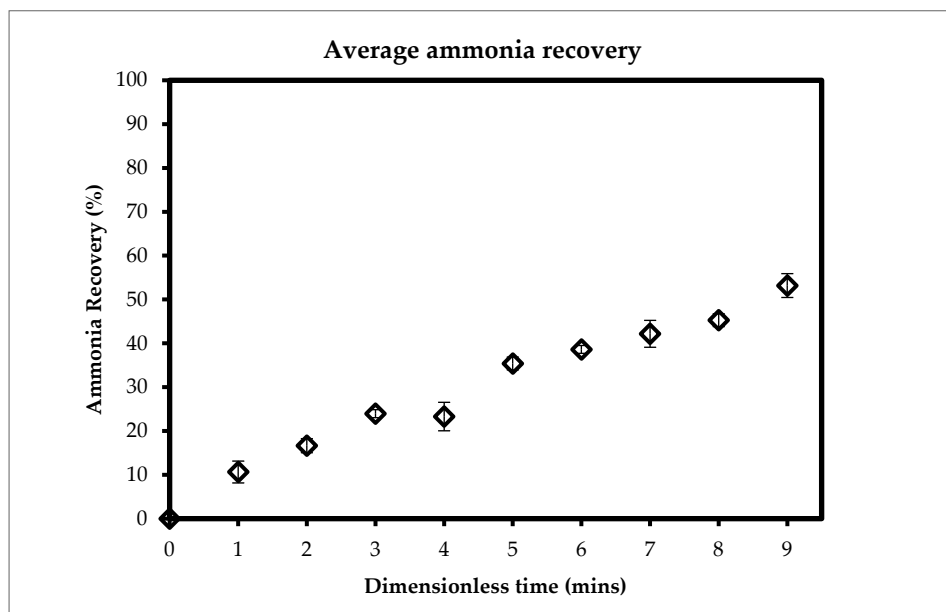
Figure S3. Ammonia recovery averaged over three trials using 60% CH_4- 40% CO_2 as the stripping gas.

Table S2. ANOVA for DoE. '*' represents the multiplication of two terms

Parameter	Adjusted SS	F-Value	*p*-Value
Model	5100	8.09	0.263
Linear	4734	15.01	0.187
Temperature	4371	41.58	0.098
pH	210	2	0.392
G/L	153	1.46	0.44
2-way interactions	366	1.16	0.578
Temperature * pH	300	2.85	0.34
pH * G/L	21	0.2	0.732
Temperature * G/L	45	0.43	0.631