

Effects of cellulosic carbon addition on nitrogen removal from simulated dry land drainage and its environmental effects

Table S1. Removal rates of $\text{NH}_4^+\text{-N}$ and $\text{NO}_3^-\text{-N}$ in winter and summer.

Group	Winter-Stage I		Winter-Stage II		Summer-Stage I		Summer-Stage II	
	$\text{NH}_4^+\text{-N}$	$\text{NO}_3^-\text{-N}$	$\text{NH}_4^+\text{-N}$	$\text{NO}_3^-\text{-N}$	$\text{NH}_4^+\text{-N}$	$\text{NO}_3^-\text{-N}$	$\text{NH}_4^+\text{-N}$	$\text{NO}_3^-\text{-N}$
Straw	91.56 ±10.58a	7.57 ±9.07a	98.09 ±0.24a	80.52 ±2.21a	80.84 ±9.7a	92.52 ±0.25a	21.91 ±18.83a	9.99 ±71.96a
Coir	67.98 ±27.13a	-19.55 ±8.17b	96.93 ±2.66a	45.97 ±11.29b	-54.77 ±43.49b	-55.67 ±45.03c	31.73 ±52.42a	-44.57 ±8.01a
Sawdust	91.99 ±8.12a	-11.99 ±21.06ab	91.44 ±9.89a	40.57 ±1.43b	-144.11 ±50.95b	15.56 ±0.3456b	38.14 ±23.04a	-28.75 ±2.58a
CK	66.46 ±12.94a	-0.84 ±4.97ab	66.13 ±0.16b	30.42 ±22.39b	-112.19 ±67.34b	-0.67 ±21.31b	39.24 ±6.79a	-29.68 ±4.39a

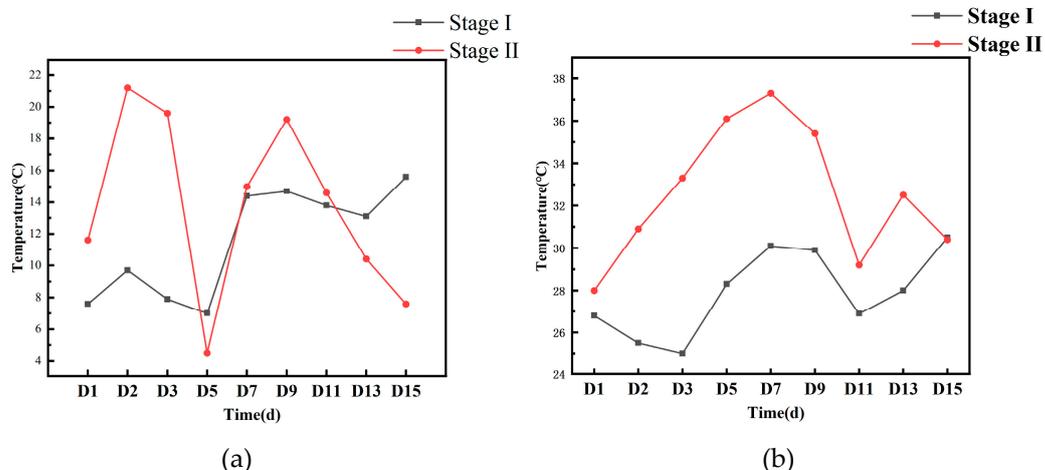


Figure S1. Water temperature variations in (a) winter and (b) summer.

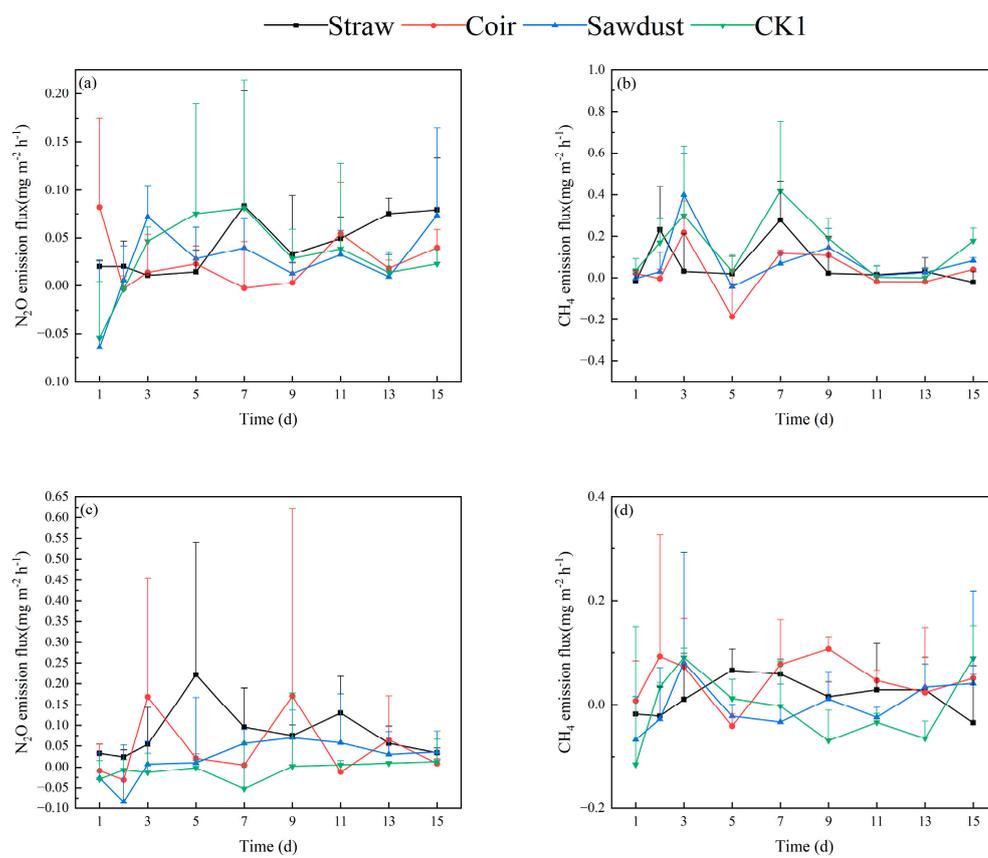


Figure S2. Greenhouse gas emission fluxes in winter.
a(N₂O), b(CH₄) -stage I; c(N₂O), d(CH₄) -stage II

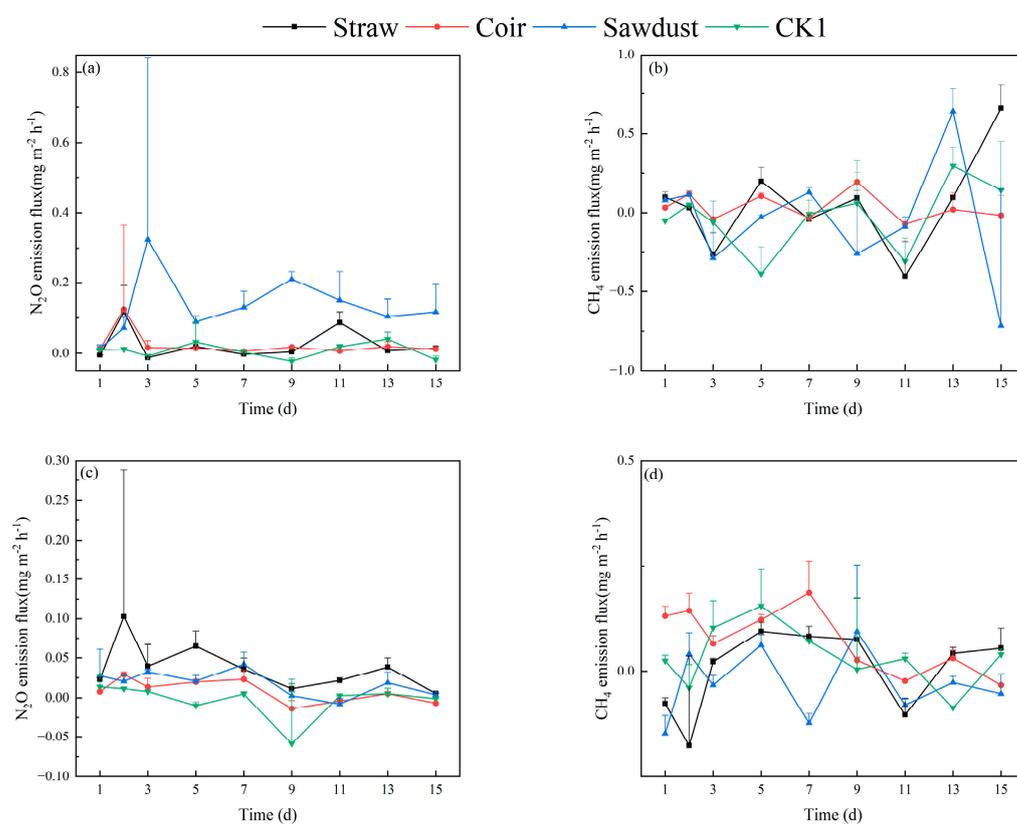


Figure S3. Greenhouse gas emission fluxes in summer.
a(N_2O), b(CH_4) -stage I; c(N_2O), d(CH_4) -stage II