

Effect of turning frequency on the survival of faecal indicator microorganisms during aerobic composting of faecal sludge with sawdust

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Table S1: Characteristics of Feedstock used[‡]

Parameter	Dewatered FS	Sawdust
Moisture (%)	68.71 ± 3.80	31.20 ± 5.94
Ammonium-N* (mg/kg)	0.53 ± 0.39	0.00 ± 0.01
<i>Escherichia coli</i> (log ₁₀ /cfu/g dwt)	6.6 ± 0.1	ND
<i>Salmonella</i> spp. (log ₁₀ /cfu/g dwt)	7.3 ± 0.0	ND
<i>Enterococci</i> spp. (log ₁₀ /cfu/g dwt)	7.9 ± 0.0	ND
Helminth (Viable <i>Ascaris</i> Eggs) (eggs/ g)	37 ± 16	ND

[‡]Mean ± Standard deviation (SD) of triplicates; * dry base; ND = no detectable

Table S2: Spearman's rho correlation test results between the survival of viable helminth eggs (*Ascaris* eggs) and other mechanisms responsible for pathogen die-off during FS co-composting with sawdust using different turning frequencies

Parameter Evolution	3TF, n=22		7TF, n=22		14TF, n=22	
	<i>P</i>	<i>r</i>	<i>P</i>	<i>r</i>	<i>P</i>	<i>r</i>
CO ₂ -C (mg CO ₂ -C g VS ⁻¹ day)	0.0001	-0.897	0.0001	-0.864	0.0001	-0.798
NH ₄ -N (g/kg)	0.0001	-0.770	0.006	-0.563	0.0001	-0.794
pH	0.001	-0.672	0.014	-0.515	0.003	-0.595
C/N	0.0001	-0.702	0.009	-0.541	0.003	-0.610
Organic matter (%)	0.0001	-0.809	0.0001	-0.771	0.002	-0.613
Moisture Content (%)	0.461*	0.166	0.0001	0.729	0.001	0.639

* Not Significant