

Supplementary Materials:

Table S1. Chemical properties of raw manure and lignites used in preparation of feedstocks.

	Manure	BM	LY
pH _{H2O}	7.5	5.0	4.6
EC (mS cm ⁻¹)	13.1	2.1	0.2
TC (%)	30.0	57.1	62.2
OM (%)	65.8	93.2	89.6
TN (%)	2.13	0.61	0.60
CN ratio	13.30	94.0	103.5
NH ₄ ⁺ -N (mg kg ⁻¹)	2,737	<0.2	<0.2
Total element concentration (mg kg ⁻¹)			
Al	9,770	506	3,278
Fe	4,755	5,452	418
Mg	7,200	5,489	418
Na	12,802	2,036	346
K	13,796	104	20
Ca	15,484	11,767	145
P	6,780	<0.1	14.14
S	5,015	18,101	2,834
Zn	166.7	6.94	5.51
Mn	164.4	129.4	4.0
Cu	30.1	<0.1	<0.1
B	37.2	89.9	21.1

BM = Bacchus Marsh lignite; LY = Loy Yang lignite.

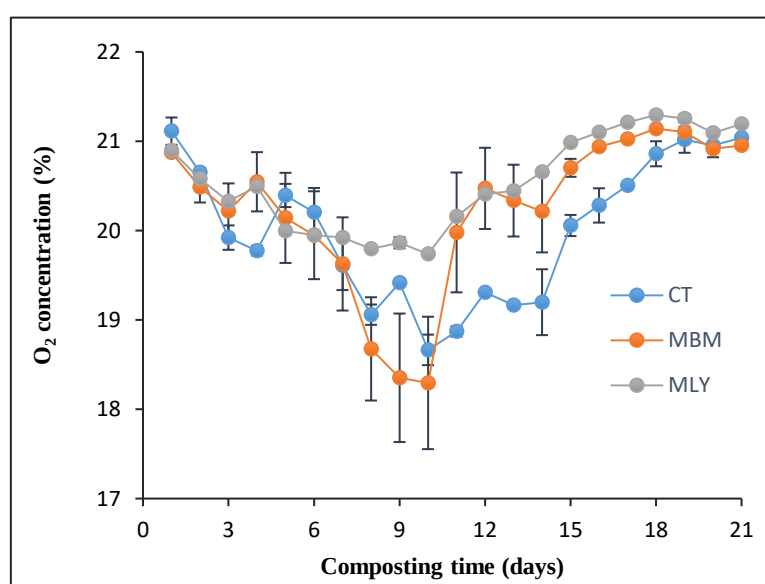


Figure S1. Oxygen concentration during composting of manure and lignite amended manure. Bars represent the standard error of the mean (n=4).