

Table S1. Evolution of the $E_{2/4}$ (280/472 nm), $E_{2/6}$ (280/664 nm), and $E_{4/6}$ (472/664 nm) Ratios at Different Stages of Composting

Composting time (d)	$E_{2/6}$	$E_{4/6}$	$E_{2/4}$
0	161.5 ± 0.8	14.5 ± 0.2	18.7 ± 0.2
7	61.1 ± 0.8	10.2 ± 0.1	10.5 ± 0.1
14	59.6 ± 0.2	9.6 ± 0.4	10.4 ± 0.2
21	59.3 ± 0.5	9.5 ± 0.2	9.8 ± 0.1
28	58.3 ± 0.1	9.2 ± 0.2	9.3 ± 0.1
35	44.3 ± 1.3	6.1 ± 0.1	6.4 ± 0.2
42	30.9 ± 0.1	5.0 ± 0.0	5.3 ± 0.1
49	25.4 ± 0.4	3.8 ± 0.2	5.1 ± 0.0

± represents the standard deviation based on three replicates

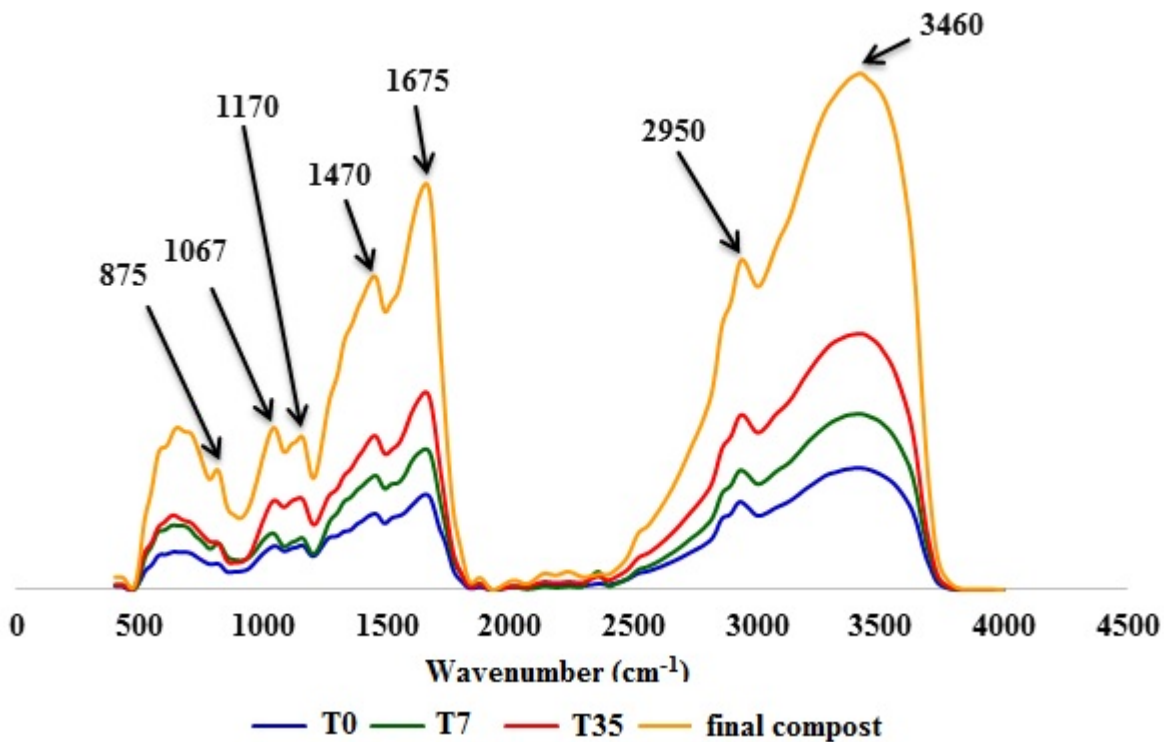


Fig. S1. FTIR spectra of SS and GW at various stages of composting. T0: day 0; T7: day 7; T35: day 35; and final compost.

Table S2. Summary of the Characteristics of Final Compost, in Comparison with Guidelines for Acceptable Quality of Compost

Chemical properties	Compost	Threshold values	References
pH	7.1 ± 0.1	7.1-7.7	[1]
EC (mS cm ⁻¹)	3.0 ± 0.0	< 4	[2]
OM (%)	37.5 ± 1.0	33.3-55.4	[3]
TC/TN	6.6 ± 0.5	< 20, preferable < 10	[4]
CEC (cmol kg ⁻¹)	171.9 ± 2.8	> 60	[5]
TC (%)	20.2 ± 0.0	> 20	[2]
TN (%)	3.1 ± 0.2	≥ 1	[6]
NH ₄ ⁺ (mg kg ⁻¹)	350.2 ± 9.9	< 400	[4]
NH ₄ ⁺ /NO ₃ ⁻	0.1 ± 0.0	< 0.16	[4]

References

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