



Research article

Modeling consumer home composting intentions for sustainable municipal organic waste management in Iran

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Table S1. Summary of statistics, Standardized factor loading, Cronbachs Alpha, Average Variance Extracted, and Composite Reliability for the study variables.

Table with 2 columns: Construct and scale item, Standardized loading. Rows include Perceived easiness, Perceived usefulness, and Personal norms with their respective sub-items and loadings.

Everybody should share the responsibility to recycle household waste.	0.805
Subjective norms (AVE = 0.663, $\alpha$ = 0.883, Composite reliability = 0.907)	
Many of my friends find compost useful.	0.890
Many of my relatives find compost useful.	0.808
My neighbors find compost useful.	0.735
City-wide ads recommend home composting.	0.726
People who influence my decisions think that I should compost.	0.898
Perceived behavioral control (AVE = 0.590, $\alpha$ = 0.765, Composite reliability = 0.850)	0.645
I know what items can be composted.	0.831
I have tools to compost my household waste.	0.764
I know how to compost my household waste.	0.819
I have enough time for composting.	
Attitude (AVE = $\alpha$ = 0.795, Composite reliability = 0.879)	
Composting is rewarding.	0.841
Composting is hygienic.	0.881
Composting is a good idea.	0.804
Behavioral intention (AVE = 0.705, $\alpha$ = 0.860, Composite reliability = 0.905)	
Intention to buy the waste composting equipment	0.872
Intention to compost home-grown plant waste such as tree leaves, branches	0.795
Intention to compost kitchen waste	0.833
Intention to compost garden weeds	0.858

**Table S2.** Predictive power of constructs.

Constructs	R <sup>2</sup>	Q <sup>2</sup>	F <sup>2</sup>
HCI	0.727	0.713	0.506
ATT	0.413	0.406	0.279
PN	0.185	0.788	0.146
PBC	-	0.590	-
PE	-	0.625	-
PU	0.198	0.250	0.095
SN	-	0.663	-



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