Supplementary material

Table S1. Waste material in Iraq construction industry.

Material	Mean	SD
Sand	12.62	1.19
Gravel	10.86	1,25
Cement	4.00	1.41
Steel	3.96	1.34
Brick	15.21	1.36
Thermo-stone	12.13	2.69

Table S2. Pairwise comparison between mean of percentage among different waste materials.

(I) test	(J) test	Mean Difference (I-J)	SE	P Value
Sand	Gravel	1.663*	0.22	< 0.01
Sand	Cement	8.526*	0.329	< 0.01
Sand	Steel	8.567*	0.372	< 0.01
Sand	Brick	-2.686*	0.272	< 0.01
Sand	Thermo-stone	0.502	0.489	1
Gravel	Cement	6.863*	0.331	< 0.01
Gravel	Steel	6.904*	0.349	< 0.01
Gravel	Brick	-4.349*	0.302	< 0.01
Gravel	Thermo-stone	-1.161	0.538	0.576
Cement	Steel	0.041	0.392	1
Cement	Brick	-11.212*	0.313	< 0.01
Cement	Thermo-stone	-8.024*	0.492	< 0.01
Steel	Brick	-11.253*	0.34	< 0.01
Steel	Thermo-stone	-8.065*	0.554	< 0.01
Brick	Thermo-stone	3.188*	0.498	< 0.01