

Figure S1. Main effects plots for the effect of extraction time (min) and ultrasound amplitude (%) on (a) total phenolic content of extract (GAE mg/g of waste), (b) antioxidant capacity of extract (DPPH, %), (c) antioxidant capacity (FRAP, μmoles TPTZ/L).

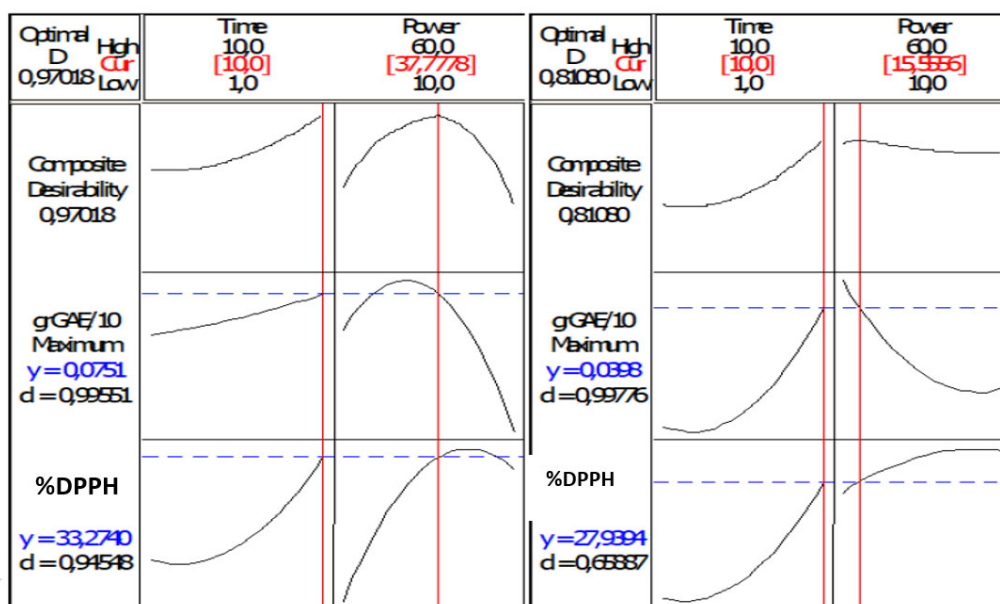


Figure S2. Optimization for the UAE of phenolic compounds from lavender solid waste for ethanolic and methanolic solvent, accordingly.

Table S1. Experimental design for the UAE of lavender solid waste for two different solvents.

Run Order	Time (min)	Ultrasound amplitude (power) (%)	Solvent (MeOH or EtOH in a 50% v/v aqueous solution)
1	1	10	MeOH
2	1	10	EtOH
3	1	40	MeOH
4	1	40	EtOH
5	1	60	MeOH
6	1	60	EtOH
7	5	10	MeOH
8	5	10	EtOH
9	5	40	MeOH
10	5	40	EtOH
11	5	60	MeOH
12	5	60	EtOH
13	10	10	MeOH
14	10	10	EtOH
15	10	40	MeOH
16	10	40	EtOH
17	10	60	MeOH
18	10	60	EtOH