

Supplementary data sheet

Table S1: Independent process variables with experimental ranges and levels for heat reflux extraction of URADP.

Input variables	Variable range and levels (coded)						
	unit	Code	- α	-1	0	+1	+ α
Ethanol concentration	%	X ₁	0	25	50	75	100
Time	min	X ₂	15	45	82.5	120	150
Temperature	°C	X ₃	40	50	60	70	80

Table S2: Pearson correlation of the TPC, TFC, antioxidants and various enzymes inhibition activities.

	TPC	TFC	DPPH	ABTS	Tyr	Glu
TFC	0.943					
	0.001					
DPPH	-0.759	-0.905				
	0.048	0.005				
ABTS	-0.488	-0.615	0.752			
	0.266	0.142	0.051			
Tyr	-0.709	-0.837	0.815	0.734		
	0.075	0.019	0.025	0.060		
Glu	-0.702	-0.545	0.385	0.342	0.135	
	0.079	0.206	0.394	0.452	0.774	
Ela	0.096	0.321	-0.485	-0.717	-0.455	0.062
	0.839	0.483	0.270	0.070	0.304	0.895

Cell Contents

*Pearson correlation,
P-Value*