

Table S1. Calibration curves of standards

Analyte	LOD (mg/L)	LOQ (mg/L)	Calibration ranges (mg/L)	Calibration curves (mg/L)	R ²
Vanillic acid	0.47	1.57	LOQ-236.67	$y = 21.069x + 197.15$	0.9979
Chlorogenic acid	0.17	0.56	LOQ-246.67	$y = 58.665x - 289.54$	0.9984
Ferulic acid	0.27	0.89	LOQ-226.67	$y = 37.071x + 155.61$	0.9983
Quercetin	0.06	0.21	LOQ-226.67	$y = 154.26x + 1309.1$	0.9988
Rutin	0.04	0.14	LOQ-220	$y = 239.6x + 690.3$	0.9954

LOD: Limit of detection, LOQ: Limit of quantification

Table S2. HPLC-ESI-MS data of proanthocyanidins in *C. monogyna* leaf extract obtained at optimum ultrasonic assisted extraction conditions.

Peak	Proanthocyanidins	[M-H] ⁻
1	monomers	289
2	dimers	577
3	dp3	865
4	dp4	1153
5	dp5	1441
6	dp6	
7	dp7	
8	dp8	
9	dp9	
10	dp10	
11	polymers	