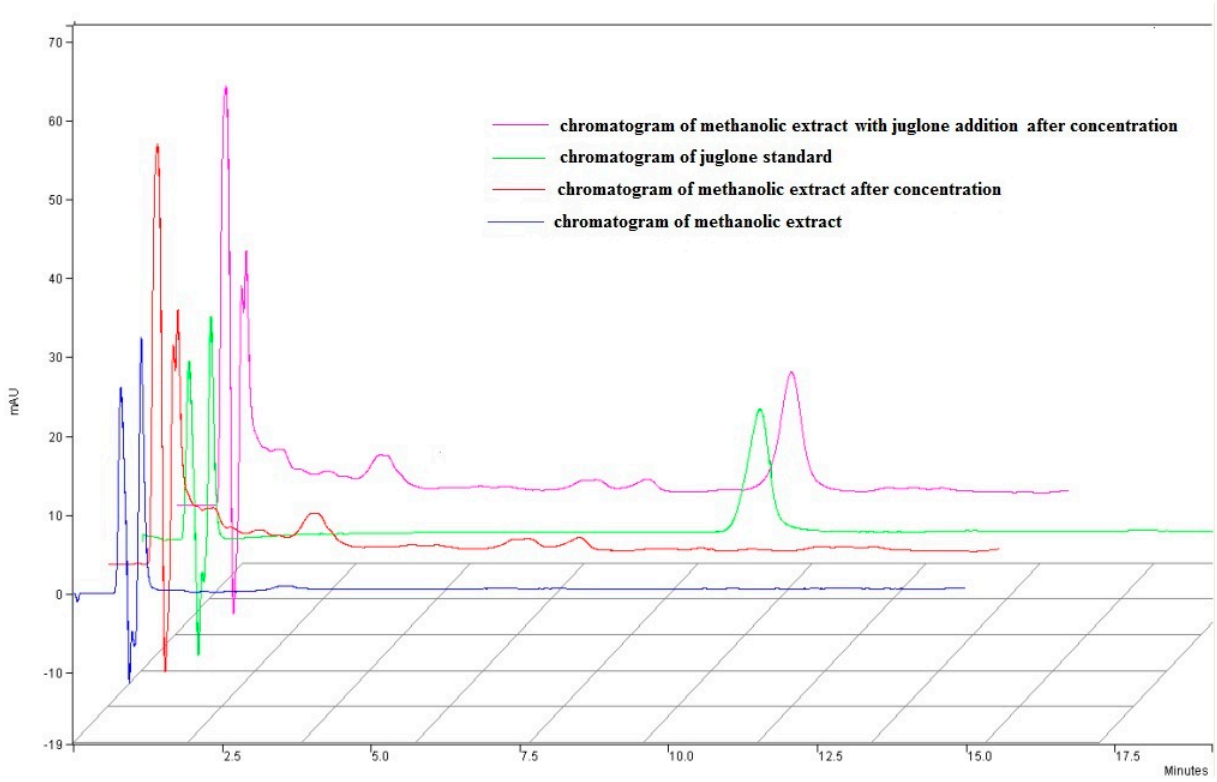

Figure S1. Representative chromatograms obtained for: juglone standard (green colour) and methanolic extracts obtained in the Soxhlet apparatus before concentration (blue colour), after concentration (red colour) and after concentration with the addition of juglone (pink colour), λ=420 nm.

Table S1. Equations of Trolox calibration curves in the concentration range of 2.5-25 μg/mL obtained using various methods for assessing antioxidant and solvents.

Methods	**Solvent**	**Calibration curve equation**
ABTS	MeOH	y = 0.0059x + 0.0059 R^2 = 0.9957
	Ethyl acetate	y = 0.0059x + 0.0076 R^2 = 0.9948
	Chloroform	y = 0.0052x + 0.0068 R^2 = 0.9950
	Acetone	y = 0.0070x + 0.0092 R^2 = 0.9950
DPPH	MeOH	y = 0.0043x + 0.0001 R^2 = 0.9984
	Ethyl acetate	y = 0.0038x – 0.0068 R^2 = 0.9985
	Chloroform	y = 0.0037x + 0.0049 R^2 = 0.9985
	Acetone	y = 0.0038x + 0.0100 R^2 = 0.9975
β-carotene	MeOH	y = 3.7470x + 2.2395 R^2 = 0.9951
	Ethyl acetate	y = 3.5772x + 2.3449 R^2 = 0.9952
	Chloroform	y = 3.9507x + 2.5050 R^2 = 0.9960
	Acetone	y = 3.5227x + 1.5163 R^2 = 0.9984
FRAP	MeOH	y = 0.0061x – 0.0036 R^2 = 0.9960
	Ethyl acetate	y = 0.0044x – 0.0032 R^2 = 0.9948
	Chloroform	y = 0.0060x – 0.0046 R^2 = 0.9955
	Acetone	y = 0.0043x – 0.0019 R^2 = 0.9951
CUPRAC	MeOH	y = 0.0064x – 0.0034 R^2 = 0.9952
	Ethyl acetate	y = 0.0073x – 0.0053 R^2 = 0.9951
	Chloroform	y = 0.0017x – 0.0007 R^2 = 0.9960
	Acetone	y = 0.0074x – 0.0030 R^2 = 0.9981

Table S2. Equations of gallic acid calibration curves in the concentration range of 2.5-500 μg/mL obtained using various solvents.

Methods	**Solvent**	**Calibration curve equation**
Folin-Ciocalteou	MeOH	$y = 0.0074x + 0.0113$ $R^2 = 0.9991$
	Ethyl acetate	$y = 0.0074x + 0.0145$ $R^2 = 0.9982$
	Chloroform	$y = 0.0065x + 0.0131$ $R^2 = 0.9984$
	Acetone	$y = 0.0099x + 0.0175$ $R^2 = 0.9983$

Table S3. F values and *p* values obtained during variance analysis for the data concerning total phenolics amount, expressed in [μg/g], in extracts obtained by extraction in the Soxhlet apparatus, maceration and PLE using different extractants (chloroform, acetone, ethyl acetate and methanol). Data from Table 2
Bold values indicate systems where the results are statistically insignificant ($F < F_{tab}$, $P > 0.05$; $F_{tab} = 7.71$).

	Macerat-chloroform	**PLE-chloroform**	**Soxhlet-acetone**	**Macerat-acetone**	**PLE-acetone**	**Soxhlet-ethyl acetate**	**Macerat-ethyl acetate**	**PLE-ethyl acetate**	**Soxhlet-methanol**	**Macerat-methanol**	**PLE-methanol**
Soxhlet-chloroform	F = 71.85 *P* = 0.001	**F = 1.46 (a)** ***P* = 0.29**	F = 1607.32 $P = 2.31 \cdot 10^{-6}$	F = 1000.52 $P = 5.95 \cdot 10^{-6}$	F = 2295.11 $P = 1.14 \cdot 10^{-6}$	F = 701.66 $P = 1.21 \cdot 10^{-5}$	F = 610.09 $P = 1.59 \cdot 10^{-5}$	F = 765.08 $P = 1.02 \cdot 10^{-5}$	F = 2569.39 $P = 9.06 \cdot 10^{-7}$	F = 2530.22 $P = 9.35 \cdot 10^{-7}$	F = 2859.14 $P = 7.32 \cdot 10^{-7}$
Macerat-chloroform	-	F = 87.11 *P* = 0.001	F = 1864.78 $P = 1.72 \cdot 10^{-6}$	F = 1295.51 $P = 3.56 \cdot 10^{-6}$	F = 2471.46 $P = 9.80 \cdot 10^{-7}$	F = 996.82 $P = 6.00 \cdot 10^{-6}$	F = 901.50 $P = 7.33 \cdot 10^{-6}$	F = 1061.63 $P = 5.29 \cdot 10^{-6}$	F = 2704.81 $P = 8.18 \cdot 10^{-7}$	F = 2671.80 $P = 8.38 \cdot 10^{-7}$	F = 2946.82 $P = 6.89 \cdot 10^{-7}$
PLE-chloroform	F = 87.11 *P* = 0.001	-	F = 1558.40 $P = 2.48 \cdot 10^{-6}$	F = 937.94 $P = 6.77 \cdot 10^{-6}$	F = 2260.36 $P = 1.17 \cdot 10^{-6}$	F = 641.72 $P = 1.44 \cdot 10^{-5}$	F = 552.33 $P = 1.94 \cdot 10^{-5}$	F = 704.12 $P = 1.20 \cdot 10^{-5}$	F = 2544.10 $P = 9.25 \cdot 10^{-7}$	F = 2503.56 $P = 9.55 \cdot 10^{-7}$	F = 2843.89 $P = 7.4 \cdot 10^{-7}$
Soxhlet-acetone	F = 1864.78 $P = 1.72 \cdot 10^{-6}$	F = 1558.40 $P = 2.48 \cdot 10^{-6}$	-	F = 228.07 $P = 1.1 \cdot 10^{-4}$	F = 462.53 $P = 2.76 \cdot 10^{-5}$	F = 464.96 $P = 2.74 \cdot 10^{-5}$	F = 550.54 $P = 1.96 \cdot 10^{-5}$	F = 409.17 $P = 3.53 \cdot 10^{-5}$	F = 974.61 $P = 6.27 \cdot 10^{-6}$	F = 888.14 $P = 7.55 \cdot 10^{-6}$	F = 1737.69 $P = 1.98 \cdot 10^{-6}$
Macerat-acetone	F = 1295.51 $P = 3.56 \cdot 10^{-6}$	F = 937.94 $P = 6.77 \cdot 10^{-6}$	F = 228.07 $P = 1.1 \cdot 10^{-4}$	-	F = 1075.96 $P = 5.15 \cdot 10^{-6}$	F = 53.85 $p = 1.84 \cdot 10^{-3}$	F = 92.31 $P = 6.56 \cdot 10^{-4}$	F =33.35 $P = 4.4 \cdot 10^{-3}$	F = 1584.98 $P = 2.38 \cdot 10^{-6}$	F = 1506.71 $P = 2.63 \cdot 10^{-3}$	F = 2206.48 $P = 1.23 \cdot 10^{-6}$
PLE-acetone	F = 2471.46 $P = 9.80 \cdot 10^{-7}$	F = 2260.36 $P = 1.17 \cdot 10^{-6}$	F = 462.53 $P = 2.76 \cdot 10^{-5}$	F = 1075.96 $P = 5.15 \cdot 10^{-6}$	-	F = 1370.97 $p = 3.18 \cdot 10^{-6}$	F = 1460.56 $P = 2.8 \cdot 10^{-6}$	F = 1308.70 $P = 3.49 \cdot 10^{-6}$	F = 163.77 $P = 2.15 \cdot 10^{-6}$	F = 116.33 $P = 4.19 \cdot 10^{-4}$	F = 851.96 $P = 8.2 \cdot 10^{-6}$
Soxhlet-ethyl acetate	F = 996.83 $P = 6.00 \cdot 10^{-6}$	F = 641.73 $P = 1.44 \cdot 10^{-5}$	F = 464.96 $P = 2.74 \cdot 10^{-5}$	F = 53.85 $P = 1.84 \cdot 10^{-3}$	F = 1370.97 $P = 3.18 \cdot 10^{-6}$	-	**F = 5.44 (b)** ***P* = 0.08**	**F = 2.52 (c)** ***P* = 0.19**	F = 1840.72 $P = 1.76 \cdot 10^{-6}$	F = 1770.34 $P = 1.91 \cdot 10^{-6}$	F = 2384.54 $P = 1.05 \cdot 10^{-6}$
Macerat-ethyl acetate	F = 901.50 $P = 7.33 \cdot 10^{-6}$	F = 552.33 $P = 1.94 \cdot 10^{-5}$	F = 550.54 $P = 1.96 \cdot 10^{-5}$	F = 92.31 $P = 6.56 \cdot 10^{-4}$	F = 1460.56 $P = 2.8 \cdot 10^{-6}$	**F = 5.44 (b)** ***P* = 0.08**	-	**F = 15.33 (d)** ***P* = 0.02**	F = 1915.49 $P = 1.63 \cdot 10^{-6}$	F = 1847.76 $P = 1.75 \cdot 10^{-6}$	F = 2435.23 $P = 1.01 \cdot 10^{-6}$
PLE-ethyl acetate	F = 1061.63 $P = 5.29 \cdot 10^{-6}$	F = 704.12 $P = 1.2 \cdot 10^{-5}$	F = 409.17 $P = 3.53 \cdot 10^{-5}$	F = 33.35 $P = 4.4 \cdot 10^{-3}$	F = 1308.70 $P = 3.49 \cdot 10^{-6}$	**F = 2.52 (c)** ***P* = 0.19**	**F = 15.33 (d)** ***P* = 0.02**	-	F = 1788.11 $P = 1.87 \cdot 10^{-6}$	F = 1715.93 $P = 2.03 \cdot 10^{-6}$	F = 2348.54 $P = 1.08 \cdot 10^{-6}$
Soxhlet-methanol	F = 2704.81 $P = 8.18 \cdot 10^{-7}$	F = 2544.10 $P = 9.25 \cdot 10^{-7}$	F = 974.61 $P = 6.27 \cdot 10^{-6}$	F = 1584.98 $P = 2.38 \cdot 10^{-6}$	F = 163.77 $P = 2.15 \cdot 10^{-6}$	F = 1840.72 $P = 1.76 \cdot 10^{-6}$	F = 1915.49 $P = 1.63 \cdot 10\text{-}6$	F = 1788.11 $P = 1.87 \cdot 10^{-6}$	-	**F = 4.50 (e)** ***P* = 0.10**	F = 359.00 $p = 4.57 \cdot 10^{-5}$
Macerat-methanol	F = 2671.80 $P = 8.38 \cdot 10^{-7}$	F = 2503.56 $P = 9.55 \cdot 10^{-7}$	F = *888*.14 $P = 7.55 \cdot 10^{-6}$	F = 1506.71 $P = 2.63 \cdot 10^{-3}$	F = 116.33 $P = 4.19 \cdot 10^{-4}$	F = 1770.34 $P = 1.91 \cdot 10^{-6}$	F = 1847.76 $P = 1.75 \cdot 10\text{-}6$	F = 1715.93 $P = 2.03 \cdot 10\text{-}6$	**F = 4.50 (e)** ***P* = 0.10**	-	F=431,08 $p = 3.18 \cdot 10^{-5}$
PLE-methanol	F = 2946.82 $P = 6.89 \cdot 10^{-7}$	F = 2843.89 $P = 7.4 \cdot 10^{-7}$	F = 1737.69 $P = 1.98 \cdot 10^{-6}$	F = 2206.48 $P = 1.23 \cdot 10^{-6}$	F = 851.96 $P = 8.2 \cdot 10^{-6}$	F = 2384.54 $P = 1.05 \cdot 10^{-6}$	F = 2435.23 $P = 1.01 \cdot 10\text{-}6$	F = 2348.54 $P = 1.08 \cdot 10\text{-}6$	F = 359.00 $P = 4.57 \cdot 10^{-5}$	F = 431,08 $P = 3.18 \cdot 10^{-5}$	-