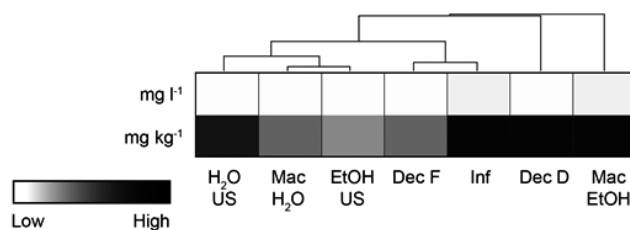


PHENOLIC PROFILE OF QUINCE (*CYDONIA OBLONGA* MILL.) LEAVES

On-line Suppl. Fig. 1: The of total analyzed phenolic compounds from quince leaves expressed in mg per liter of extract and in mg per kilogram of material DW; ultrasound extraction in water (H₂O US), ultrasound extraction in ethanol (EtOH US), water maceration (Mac H₂O), ethanolic macerate (Mac EtOH), water infusion (Inf), decoction of dry material (Dec D) and decoction of fresh material (Dec F). The data are standardised ($\mu = 0, \sigma = 1$), low values are presented with light color, higher values are presented with dark color.

On-line Suppl. Tab. 1 Flavonols in various quince leaf extracts (mg kg⁻¹ DW). Ultrasound extraction in water (US H₂O), ultrasound extraction in ethanol (US EtOH), water maceration (Maceration H₂O), ethanolic macerate (Maceration EtOH), water infusion (Infusion), decoction of dry material (Decoct D) and decoction of fresh material (Decoct F). Results are presented as mean \pm standard error. ND – not detected. (K – Kaempferol, Q – quercetin)

Flavonols	US water	US EtOH	Maceration H ₂ O	Maceration EtOH	Infusion	Decoct (D)	Decoct (F)
Q-3-rutinoside	468.7 \pm 48.4	1033.6 \pm 10.9	495.5 \pm 45.9	1978.6 \pm 116.5	1775.5 \pm 140.6	524.7 \pm 33.8	72.6 \pm 11.5
Q-3-galactoside	37.2 \pm 3.7	108.9 \pm 3.0	37.9 \pm 6.1	249.2 \pm 25.7	44.8 \pm 11.3	1830.5 \pm 183.4	1306.6 \pm 109.3
Q-3-glucoside	36.2 \pm 4.5	212.3 \pm 5.9	47.0 \pm 5.7	323.7 \pm 35.6	35.8 \pm 7.8	180.7 \pm 25.4	89.5 \pm 11.9
Q rhamnosylhexoside	ND	129.6 \pm 33.9	17.1 \pm 7.5	52.7 \pm 27.5	ND	ND	ND
K-3-galactoside	52.3 \pm 9.0	234.9 \pm 4.0	60.0 \pm 11.1	201.8 \pm 17.8	46.1 \pm 9.3	1230.7 \pm 151.1	81.3 \pm 17.8
K-3-glucoside	60.6 \pm 5.4	227.8 \pm 2.3	66.3 \pm 8.0	251.4 \pm 17.6	65.9 \pm 14.9	192.9 \pm 37.4	89.5 \pm 13.7
K pentoside	ND	143.2 \pm 3.2	43.3 \pm 9.8	82.6 \pm 11.8	53.9 \pm 15.1	212.1 \pm 37.5	52.6 \pm 10.3
K-3-rhamnosylhexoside I	208.5 \pm 15.2	285.4 \pm 4.8	216.3 \pm 12.6	552.6 \pm 19.0	695.6 \pm 63.9	173.6 \pm 29.5	476.5 \pm 23.9
K-3-rhamnosylhexoside II	263.7 \pm 21.0	463.5 \pm 6.4	232.9 \pm 16.8	779.3 \pm 22.6	736.3 \pm 72.8	1044.8 \pm 120.8	524.9 \pm 25.4
K-3-rhamnosylhexoside III	ND	14.7 \pm 5.4	66.9 \pm 12.3	96.5 \pm 18.8	ND	ND	0.6 \pm 0.1
K-3-rhamnosylhexoside IV	ND	16.1 \pm 6.8	50.5 \pm 4.4	53.1 \pm 7.7	ND	0.5 \pm 0.1	ND
Isorhamnetin pentoside	ND	179.7 \pm 3.1	39.7 \pm 11.4	110.1 \pm 20.5	ND	ND	20.3 \pm 7.3
Total flavonols	1127.2 \pm 104.0	3056.5 \pm 67.6	1373.4 \pm 128.1	4731.3 \pm 275.8	3453.8 \pm 299.3	5389.9 \pm 532.5	2714.7 \pm 189.1

On-line Suppl. Tab. 2 Phenolic acids in various quince leaf extracts (mg kg⁻¹ DW). Ultrasound extraction in water (US H₂O), ultrasound extraction in ethanol (US EtOH), water maceration (Maceration H₂O), ethanolic macerate (Maceration EtOH), water infusion (Infusion), decoction of dry material (Decoct D) and decoction of fresh material (Decoct F). Results are presented as mean ± standard error. ND – not detected, CQA – caffeoylquinic acid.

Phenolic acid	US water	US EtOH	Maceration H ₂ O	Maceration EtOH	Infusion	Decoct (D)	Decoct (F)
3CQA I	236.15±11.8	ND	ND	ND	ND	179.2±11.3	ND
3CQA II	353.9±18.5	140.1±8.2	540.7±22.2	374.8±15.7	2149.9±100.7	198.8±13.5	742.2±53.9
4CQA	139.5±6.2	78.0±4.5	235.2±9.9	260.9±17.3	999.6±84.4	684.7±77.8	2217.8±196.1
5CQA I	775.8±59.3	352.5±11.1	1280.5±86.3	964.3±77.4	6219.3±655.3	5850.1±226.3	802.3±57.0
5CQA II	151.7±6.2	153.5±11.8	65.2±2.5	504.3±14.9	515.8±74.7	213.4±14.5	299.4±23.1
Dicaffeoylquinic acid I	59.4±6.5	215.9±4.6	89.5±12.9	238.1±16.8	76.4±15.5	293.2±62.9	30.9±5.5
Dicaffeoylquinic acid II	ND	202.8±2.9	32.7±6.3	97.1±15.5	ND	ND	ND
<i>p</i> -coumaric acid hexoside I	39.6±1.2	23.6±1.4	63.1±1.8	62.7±2.1	187.0±17.0	72.5±12.1	93.6±6.0
<i>p</i> -coumaric acid hexoside II	16.4±2.1	44.2±3.1	25.3±1.6	160.9±7.3	42.1±9.3	329.4±41.9	ND
3- <i>p</i> -coumaroylquinic acid	ND	52.3±2.5	54.3±1.2	156.7±7.1	124.7±14.9	206.4±15.2	36.7±5.5
5- <i>p</i> -coumaroylquinic acid I	2.7±0.2	2.4±0.2	8.1±0.3	8.3±0.4	12.9±3.0	33.4±4.4	7.7±0.9
5- <i>p</i> -coumaroylquinic acid II	27.6±2.3	11.2±1.1	57.4±2.1	46.1±4.1	46.9±8.2	207.4±15.6	52.0±6.4
Total phenolic acids	1414.8±85.9	1269.3±34.4	2386.6±128.3	2715.7±99.3	9935.5±986.1	7254.5±843.6	3982.9±300.9

On-line Suppl. Tab. 3. Flavanols in various quince leaf extracts (mg kg⁻¹ DW). Ultrasound extraction in water (US H₂O), ultrasound extraction in ethanol (US EtOH), water maceration (Maceration H₂O), ethanolic macerate (Maceration EtOH), water infusion (Infusion), decoction of dry material (Decoct D) and decoction of fresh material (Decoct F). Results are presented as mean ± standard error. ND – not detected.

Flavanol	US water	US EtOH	Maceration H ₂ O	Maceration EtOH	Infusion	Decoct (D)	Decoct (F)
Catechin	ND	ND	ND	ND	ND	690.4±37.9	805.1±64.0
Epicatechin	ND	857.3±52.5	473.8±20.0	2196.1±104.8	1696.9±255.1	1316.8±164.3	1887.2±185.1
Procyanidin dimer I	212.8±6.3	50.5±4.4	ND	146.4±6.1	ND	1539.1±161.0	ND
Procyanidin dimer II	ND	889.6±56.9	ND	2467.7±72.9	ND	6151.4±677.8	1464.4±128.7
Procyanidin trimer I	ND	18.3±1.2	ND	50.9±1.5	ND	137.1±15.1	30.2±2.7
Procyanidin trimer II	536.9±45.7	468.0±31.6	1583.3±60.7	1622.1±71.4	2534.4±595.2	6559.6±860.0	1502.5±180.0
Total flavanols	749.6±46.2	2540.0±159.1	2057.0±79.3	7193.8±254.6	4231.0±703.7	20848.2±655.5	6110.9±531.2