

Upcycling Rocha do Oeste pear pomace as a sustainable food ingredient: composition, rheological behavior and microstructure alone and combined with yeast protein extract

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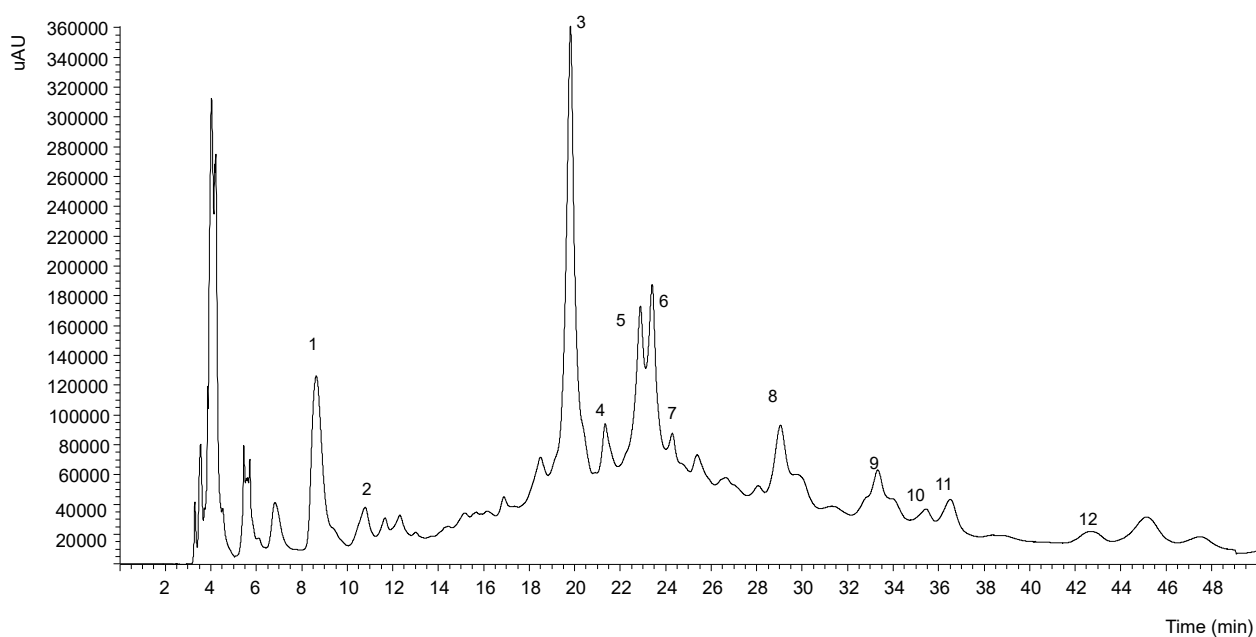


Figure S1. HPLC–DAD/ESI-MS chromatogram of extractable phenolic fraction (EF) obtained from pear pomace. Peak assignment based on mass parent ion (m/z) and secondary (MS^2 and MS^3) fragment ions data. 1: quinic acid (m/z 191); 2: arbutin (m/z 271); 3: chlorogenic acid (m/z 353); 4: dimeric procyanidin (m/z 577); 5: caffeoylquinic acid (m/z 353); 6: (-)-epicatechin (m/z 289); 7: trimeric procyanidin (m/z 865); 8: n.d.; 9: quercetin-3-*O*-rutinoside (m/z 609); 10: quercetin-3-*O*-hexoside (m/z 463); 11: quercetin-3-*O*-galactoside (m/z 463); 12: isorhamnetin-3-*O*-rutinoside (m/z 623).

Table S1. HPLC–DAD /ESI-MS profile of extractable phenolic fraction (EF) obtained from pear pomace.

Peak number	RT (min)	λ_{max} (nm)	[M-H] ⁻	MS ²	MS ³	Tentative identification
1	8.64	265	191.1	-	-	Quinic Acid
2	10.79	292	271.1	-	-	Arbutin
3	19.81	325	353.3	191.1	-	Chlorogenic acid
4	21.34	280	577.31	425.1; 407.2; 289.4	406.9	Dimeric procyanidin
5	22.88	283; 307	353.3	-	-	Caffeoyl-quinic acid
6	23.4	280	289.25	-	-	(-)-epicatechin
7	24.29	280	865.24	695; 577; 289	542.9; 451.1; 407	Trimeric procyanidin
8	29.04	268	739.04	586.73; 435; 289	407.1; 273.1	unknown
9	33.33	352	609.31	301.3	178.91; 271.1; 151	Quercetin-3- <i>O</i> -rutinoside
10	35.44	352	463.5	301.1; 179	179	Quercetin-3- <i>O</i> -hexoside
11	36.51	352	463.2	301.2	179.17; 151.1	Quercetin-3- <i>O</i> -galactoside
12	42.72	346	623.15	314.9; 300	300	Isorhamnetin-3- <i>O</i> -rutinoside