Article

**Antique Traditional Practice: Phenolic Profile of Virgin Olive Oil Obtained from Fruits Stored in Seawater**

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Supplementary data: Figure S1-S4.

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a)

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b)

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d)

**Figure S1** HPLC-ESI-MS chromatograms (total ion current—TIC) of (**a**) PE (phenolic extract prepared from VOO); (**b**) 3,4-DHPEA-EDA (dialdehydic form of decarboxymethyl elenolic acid linked to hydroxytyrosol, oleacein); (**c**) *p*-HPEA-EDA (dialdehydic form of decarboxymethyl elenolic acid linked to tyrosol, oleocanthal) and *p*-HPEA-EA (ligstroside aglycone mono-aldehyde); (**d**) 3,4-DHPEA-EA (oleuropein aglycone mono-aldehyde).

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a)

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d)

**Figure S2** HPLC-ESI-MS chromatograms (total ion current—TIC) of (**a**) PE-Sea (phenolic extract prepared from VOO-Sea); (**b**) 3,4-DHPEA-EDA (dialdehydic form of decarboxymethyl elenolic acid linked to hydroxytyrosol, oleacein); (**c**) *p*-HPEA-EDA (dialdehydic form of decarboxymethyl elenolic acid linked to tyrosol, oleocanthal) and *p*-HPEA-EA (ligstroside aglycone mono-aldehyde); (**d**) 3,4-DHPEA-EA (oleuropein aglycone mono-aldehyde).

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**Figure S3** The score-plot of samples from principal component analysis (PC1 vs PC2); VOO (▲), VOO-Sea (●).

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**Figure S4** The score-plot of samples from principal component analysis (PC1 vs PC3); VOO (▲), VOO-Sea (●).