

## Article

# Effect of Inoculum Size and Age, and Sucrose Concentration on Cell Growth to Promote Metabolites Production in Cultured *Taraxacum officinale* (Weber) Cells

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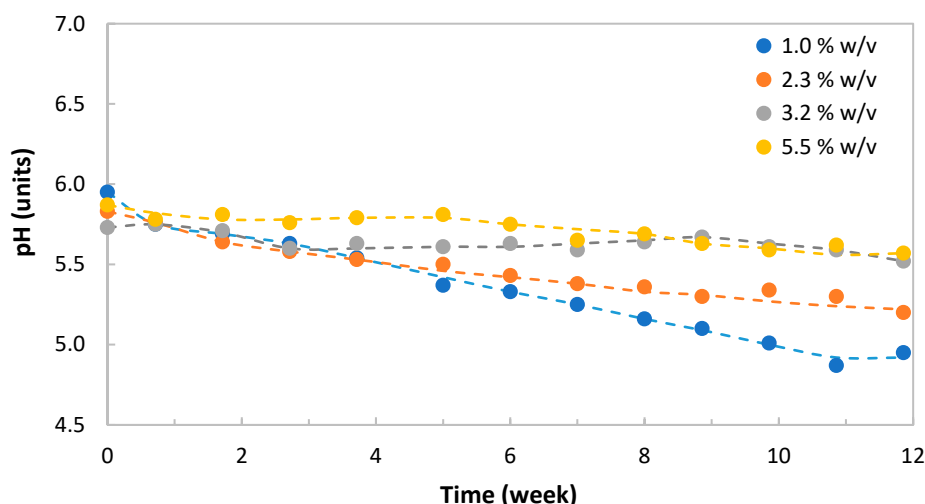
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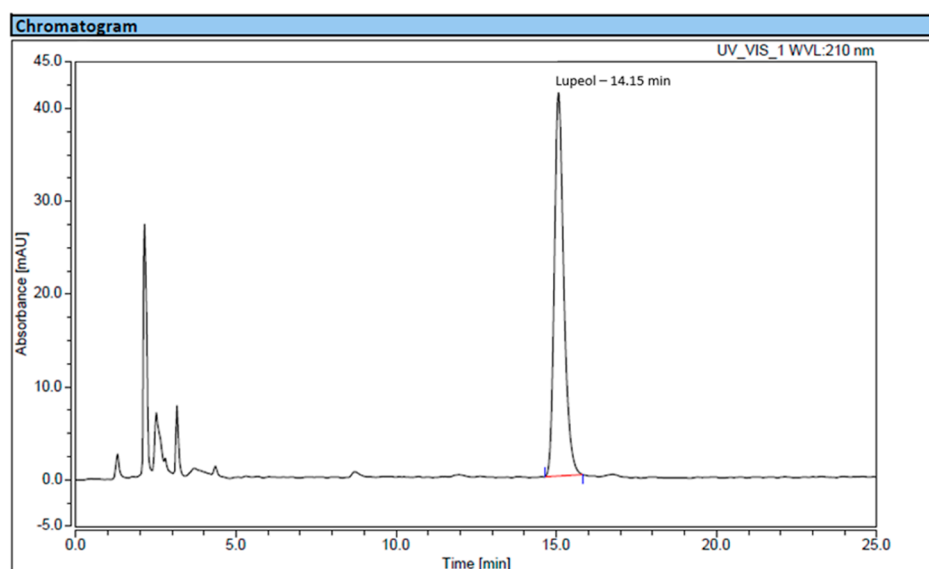


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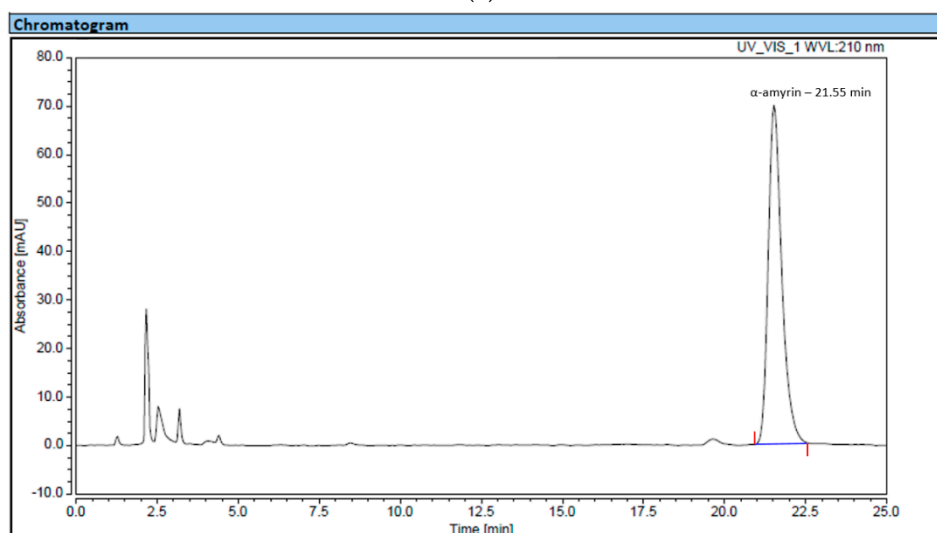
**Supplementary Materials:** The following are available online at [www.mdpi.com/xxx/s1](http://www.mdpi.com/xxx/s1), Figure S1: pH Variation for *T. officinale* suspension cultures maintained at different sucrose concentrations for 8 total weeks of culture. Figure S2: Chromatogram of standards using a diode-array detector (HPLC-DAD; 210 nm; Ultimate 3000 HPLC, Thermo Fischer), Zorbax® HPLC Column phase C18 (octadecyl), and 30:70 *v/v* methanol/acetonitrile (0.1% TFA): (a) Lupeol and (b)  $\alpha$ -Amyrin (Adhyapak and Dighe, 2014 with modifications) [75]. Figure S3: Chromatogram (HPLC-DAD, 210 nm) *T. officinale* suspension cultures sample (Basal MS medium, sucrose 2.3 (*w/v*), 3.0 mg/L NAA, 3.0 mg/L BAP, pH 5.8,  $18 \pm 2$  °C, 0/24 h light/dark. 8th week of culture).



**Figure S1.** pH Variation for *T. officinale* suspension cultures maintained at different sucrose concentrations for 8 total weeks of culture.

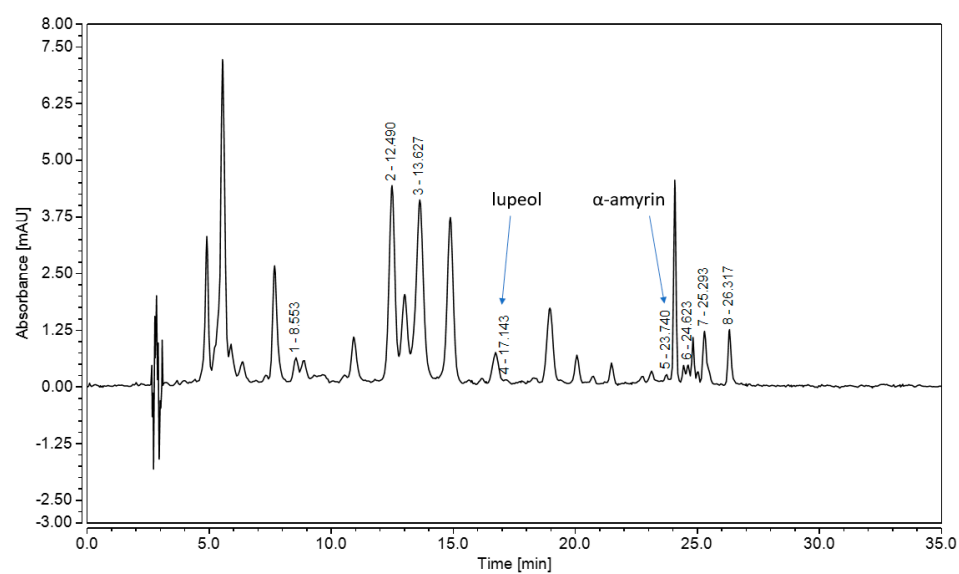


(a)



(b)

**Figure S2.** Chromatogram of standards using a diode-array detector (HPLC-DAD; 210 nm; Ultimate 3000 HPLC, Thermo Fischer), Zorbax® HPLC Column phase C18 (octadecyl), and 30:70 *v/v* methanol/acetonitrile (0.1% TFA): (a) Lupeol and (b) α-Amyrin (Adhyapak and Dighe, 2014 with modifications) [75].



**Figure S3.** Chromatogram (HPLC-DAD, 210 nm) *T. officinale* suspension cultures sample (Basal MS medium, sucrose 2.3 (w/v), 3.0 mg/L NAA, 3.0 mg/L BAP, pH 5.8, 18 ± 2 °C, 0/24 h light/dark. 8th week of culture).