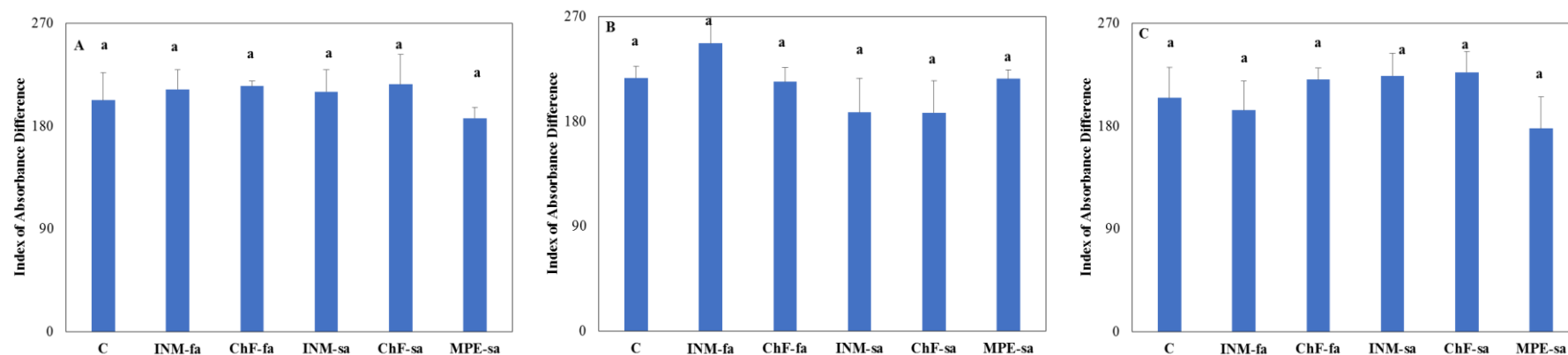


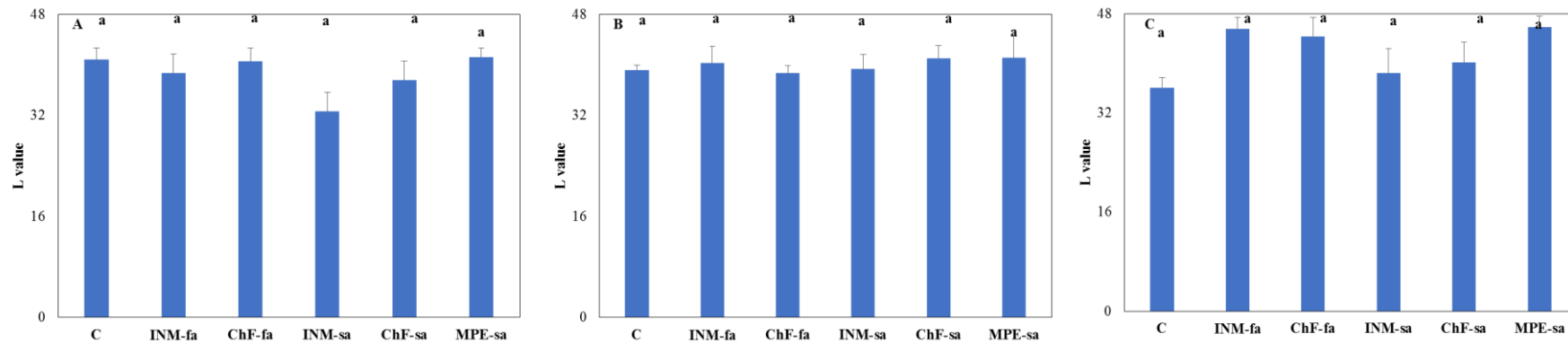
Pilot Cultivation of the Vulnerable Cretan Endemic *Verbascum arcturus* L. (Scrophulariaceae): Effect of Fertilization on Growth and Quality Features

Supplementary Table S1. Experimental field soil properties of the research garden of the Hellenic Mediterranean University used for the fertilization trials on *Verbascum arcturus*. CEC: cation exchange capacity; EC_{se}: saturation extract electrical conductivity; SAR: sodium absorption ratio. Values represent the mean of three replicates ± SE.

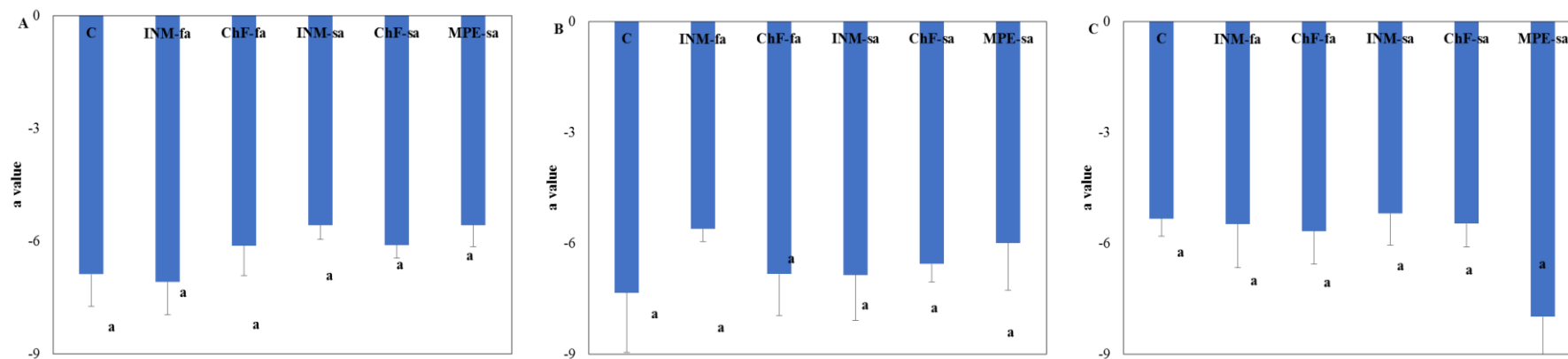
Soil texture			pH	CaCO ₃	EC _{se}	SAR	Organic C	Total N
Sand	Silt	Clay						
(g kg ⁻¹)			(1:2 H ₂ O)	(g kg ⁻¹)	(dS m ⁻¹)	(g kg ⁻¹)		
651 ± 7	195 ± 7	154 ± 0	8.1 ± 0.0	369 ± 4	0.63 ± 0.06	0.52 ± 0.03	19.3 ± 2.1	17.6 ± 0.2
CEC	Available concentration of macronutrients							
	NO ₃ -N	NH ₄ -N	P	K	Ca	Mg		
(cmol _c kg ⁻¹)	(mg kg ⁻¹)							
16.9 ± 0.4	68.8 ± 15.0	10.8 ± 0.6	15.4 ± 3.4	260 ± 17	3145 ± 62	163 ± 20		
Available concentration of micronutrients								
B	Cu	Zn	Fe	Mn				
(mg kg ⁻¹)								
0.61 ± 0.08	8.0 ± 0.1	0.89 ± 0.02	5.2 ± 0.4	3.6 ± 0.5				



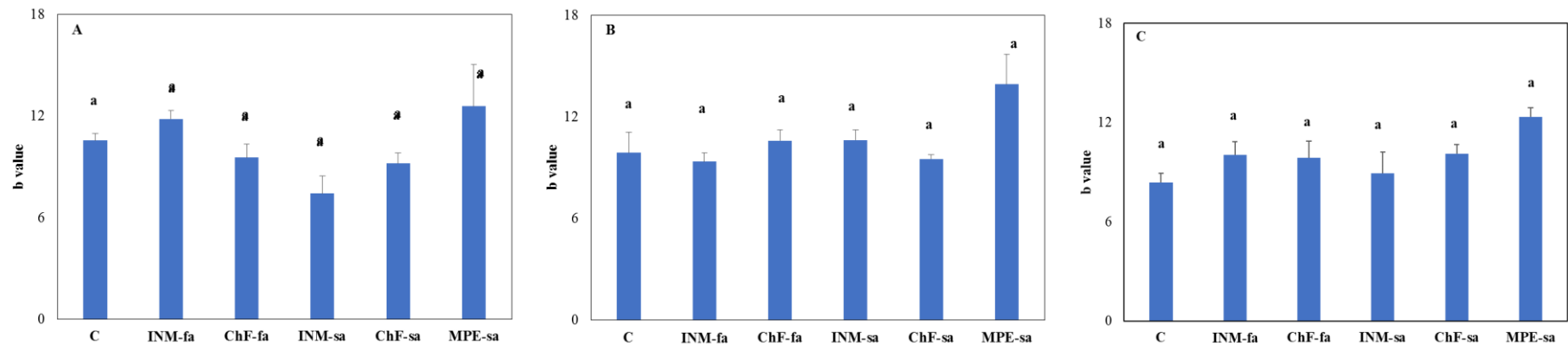
Supplementary Figure S1. Effect of fertilization through different (root/ foliar) application methods on the leaf index of absorbance difference of *Verbascum arcturus* at (A) vegetative; (B) early flowering; (C) full flowering stages. C: control (only water); INM-fa: integrated nutrient management fertilization by foliar application; ChF-fa: conventional fertilization by foliar application; INM-sa: integrated nutrient management fertilization by soil application; ChF-sa: conventional fertilization by soil application; MPE-sa: mixture of plant extracts as biostimulant by soil application. Values represent the mean of three replicates \pm SEM. Different letters within each plot, indicate significant differences.



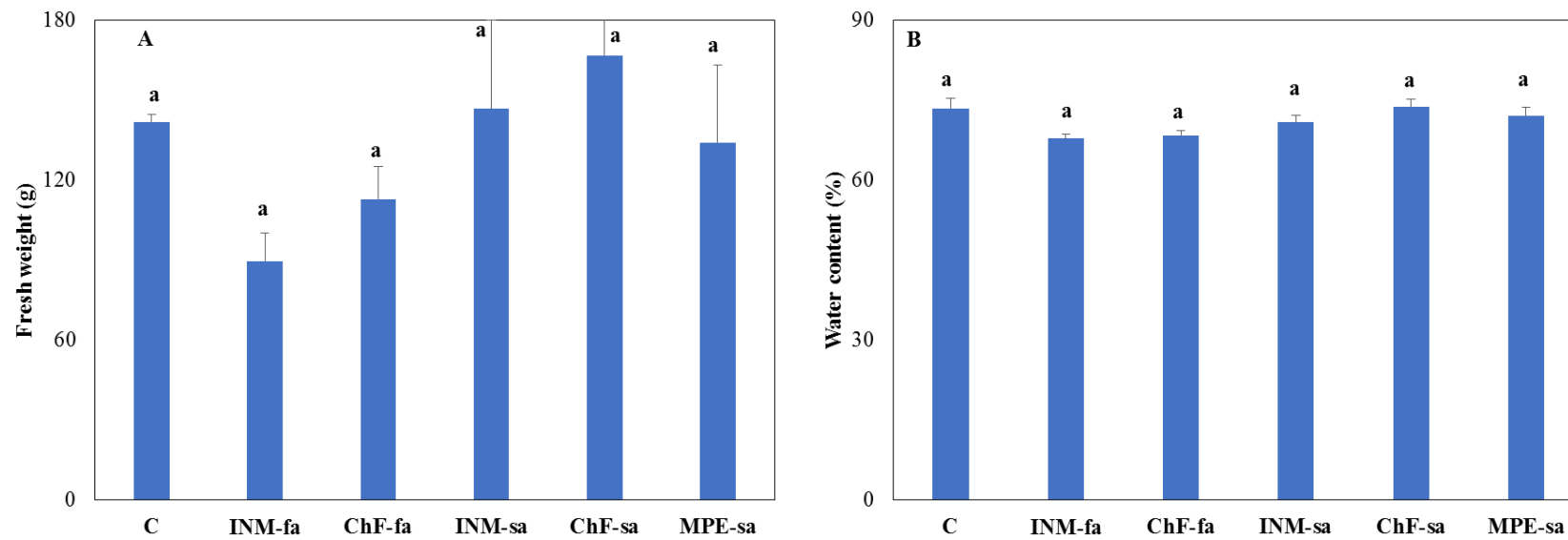
Supplementary Figure S2. Effect of fertilization through different (root/ foliar) application methods on the leaf L value of *Verbascum arcturus* at (A) vegetative; (B) early flowering; (C) full flowering stages. C: control (only water); INM-fa: Integrated nutrient management fertilization by foliar application; ChF-fa: conventional fertilization by foliar application; INM-sa: integrated nutrient management fertilization by soil application; ChF-sa: conventional fertilization by soil application; MPE-sa: mixture of plant extracts as biostimulant by soil application. Values represent the mean of three replicates \pm SEM. Different letters within each plot, indicate significant differences.



Supplementary Figure S3. Effect of fertilization through different (root/ foliar) application methods on the leaf a value of *Verbascum arcturus* at (A) vegetative; (B) early flowering; (C) full flowering stages. C: control (only water); INM-fa: integrated nutrient management fertilization by foliar application; ChF-fa: conventional fertilization by foliar application; INM-sa: integrated nutrient management fertilization by soil application; ChF-sa: conventional fertilization by soil application; MPE-sa: mixture of plant extracts as biostimulant by soil application. Values represent the mean of three replicates \pm SEM. Different letters within each plot, indicate significant differences.



Supplementary Figure S4. Effect of fertilization through different (root/ foliar) application methods on the leaf b value of *Verbascum arcturus* at (A) vegetative; (B) early flowering; (C) full flowering stages. C: Control (only water); INM-fa: Integrated nutrient management fertilization by foliar application; ChF-fa: Conventional fertilization by foliar application; INM-sa: Integrated nutrient management fertilization by soil application; ChF-sa: Conventional fertilization by soil application; MPE-sa: Mixture of plant extracts as biostimulant by soil application. Values represent the mean of three replicates \pm SEM. Different letters within each plot indicate significant differences.



Supplementary Figure S5. Effect of fertilization through different (root/ foliar) application methods on **(A)** above-ground fresh mass; **(B)** water content of *Verbascum arcturus*. C: control (only water); INM-fa: integrated nutrient management fertilization by foliar application; ChF-fa: conventional fertilization by foliar application; INM-sa: integrated nutrient management fertilization by soil application; ChF-sa: conventional fertilization by soil application; MPE-sa: mixture of plant extracts as biostimulant by soil application. Values represent the mean of six replicates \pm SEM. Different letters within each plot, indicate significant differences.