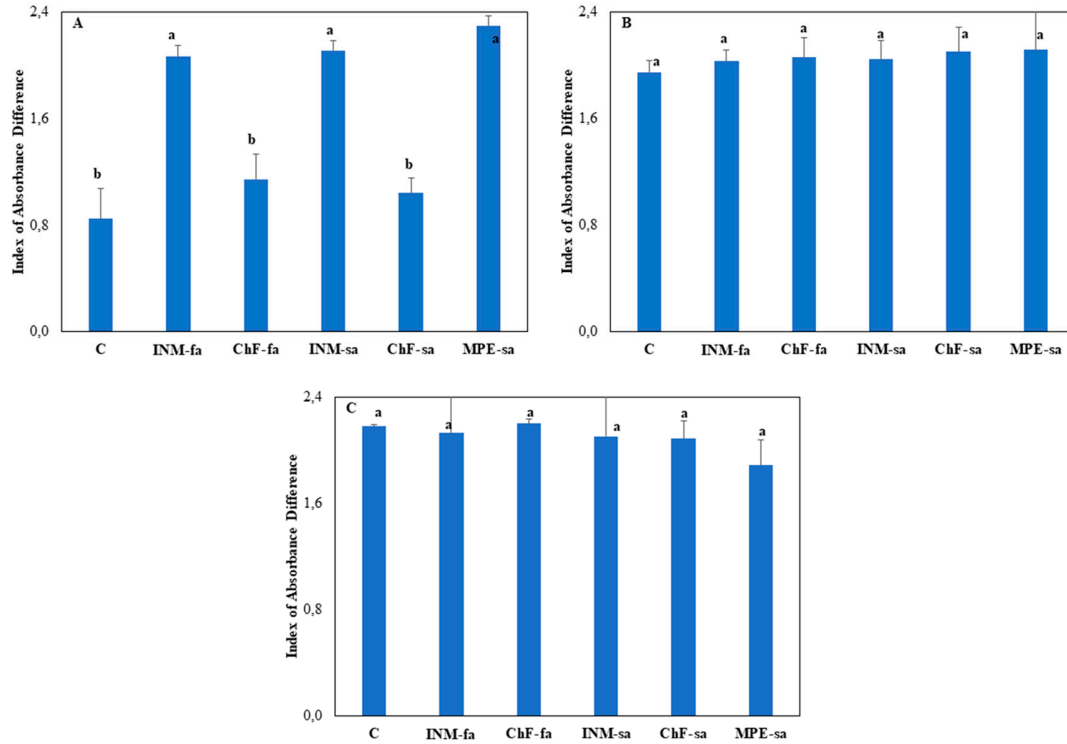
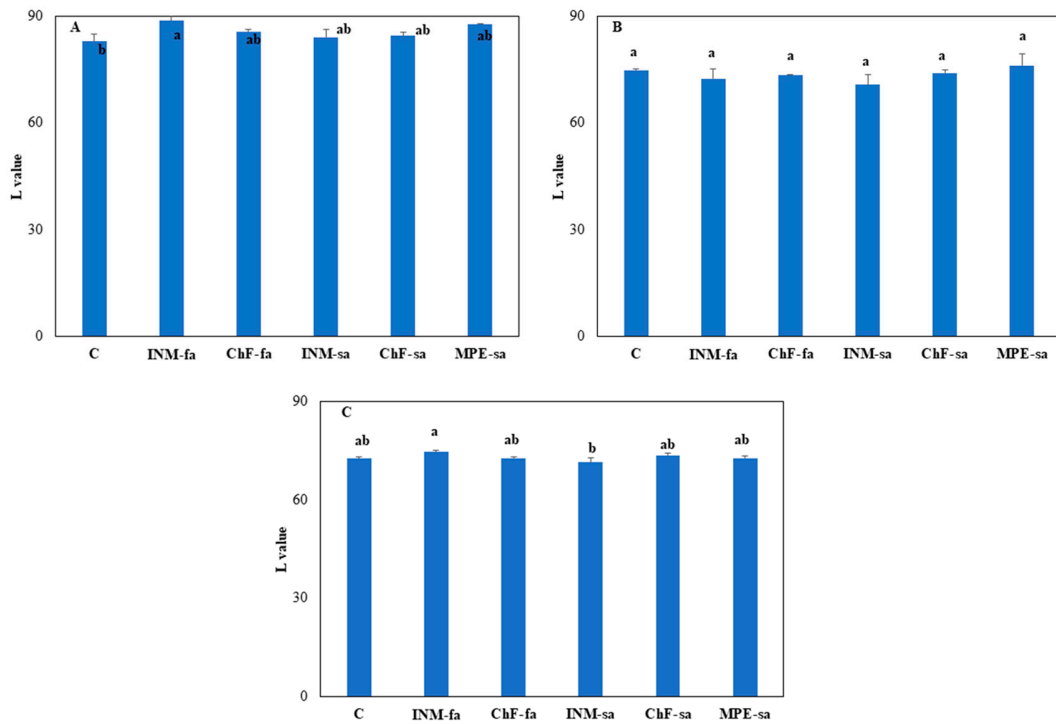


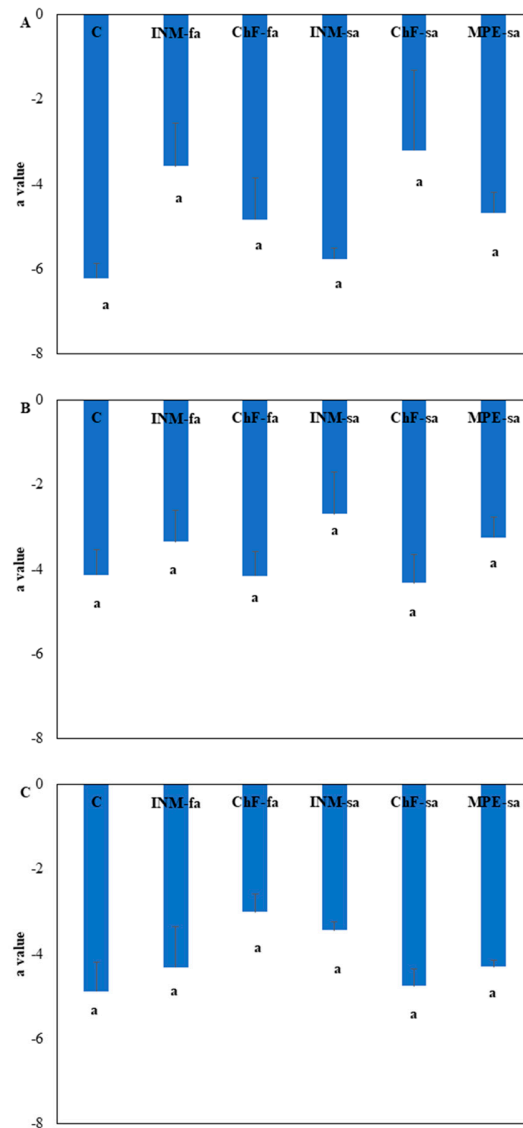
Supplementary material Figures S1-S4



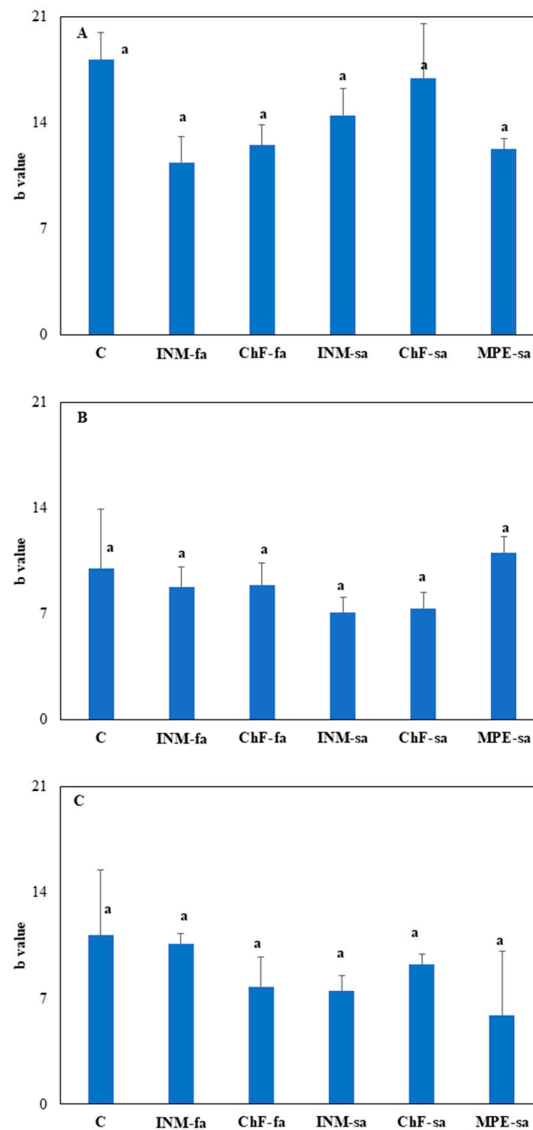
Supplementary Figure S1. Effect of the fertilization scheme and application method (root/foliar) on leaf index of absorbance difference of *Carlina diae*. C: Control (water); INM-fa: Integrated nutrient management (INM) by foliar application; ChF-fa: Chemical fertilization by foliar application; INM-sa: INM by soil application; ChF-sa: Chemical fertilization by soil application; MPE-sa: Mixture of plant extracts as biostimulant by soil application (THEOMASS). Values represent the mean of three replicates \pm SEM. Within each plot, different letters indicate significant differences.



Supplementary Figure S2. Effect of the fertilization scheme and application method (root/foliar) on leaf L value of *Carlina diae*. C: Control (water); INM-fa: Integrated nutrient management (INM) by foliar application; ChF-fa: Chemical fertilization by foliar application; INM-sa: INM by soil application; ChF-sa: Chemical fertilization by soil application; MPE-sa: Mixture of plant extracts as biostimulant by soil application (THEOMASS). Values represent the mean of three replicates \pm SEM. Within each plot, different letters indicate significant differences.



Supplementary Figure S3. Effect of the fertilization scheme and application method (root/foliar) on leaf “a” value of *Carlina diae*. C: Control (water); INM-fa: Integrated nutrient management (INM) by foliar application; ChF-fa: Chemical fertilization by foliar application; INM-sa: INM by soil application; ChF-sa: Chemical fertilization by soil application; MPE-sa: Mixture of plant extracts as biostimulant by soil application (THEOMASS). Values represent the mean of three replicates \pm SEM. Within each plot, different letters indicate significant differences.



Supplementary Figure S4. Effect of the fertilization scheme and application method (root/foliar) on leaf “b” value of *Carlina diae*. C: Control (water); INM-fa: Integrated nutrient management (INM) by foliar application; ChF-fa: Chemical fertilization by foliar application; INM-sa: INM by soil application; ChF-sa: Chemical fertilization by soil application; MPE-sa: Mixture of plant extracts as bioreactor by soil application (THEOMASS). Values represent the mean of three replicates \pm SEM. Within each plot, different letters indicate significant differences.