

Electronic Supplementary Information

Ionic liquid functionalised nanoceria significantly enhances photosynthetic CO₂ sequestration

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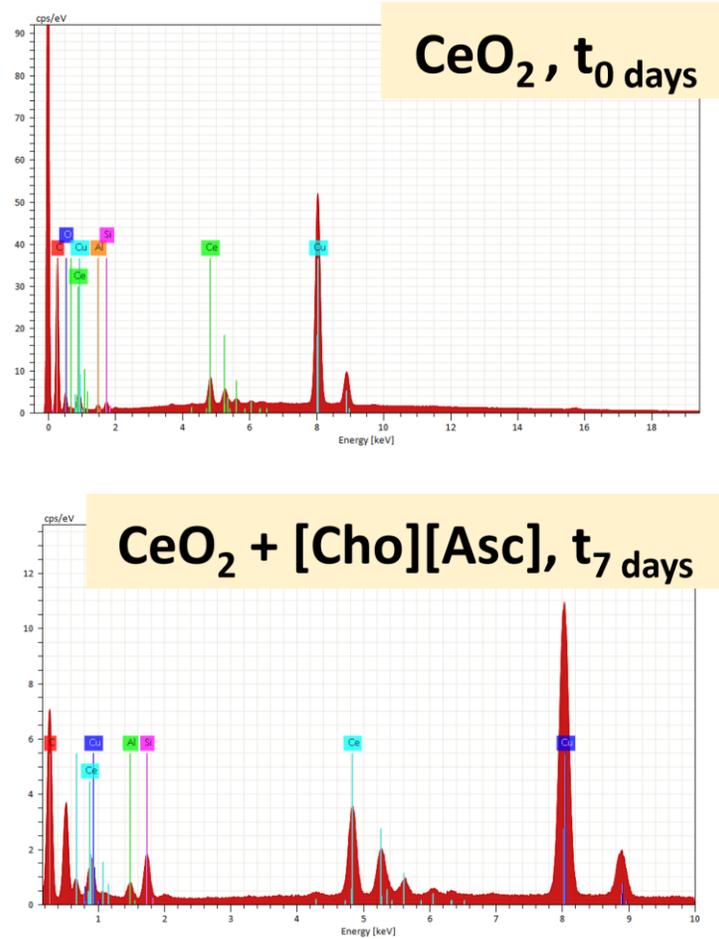


Fig. S1: EDS spectra of CeO_2 before and after 7 days of exposure to the $[\text{Cho}][\text{Asc}]$ aqueous solution.

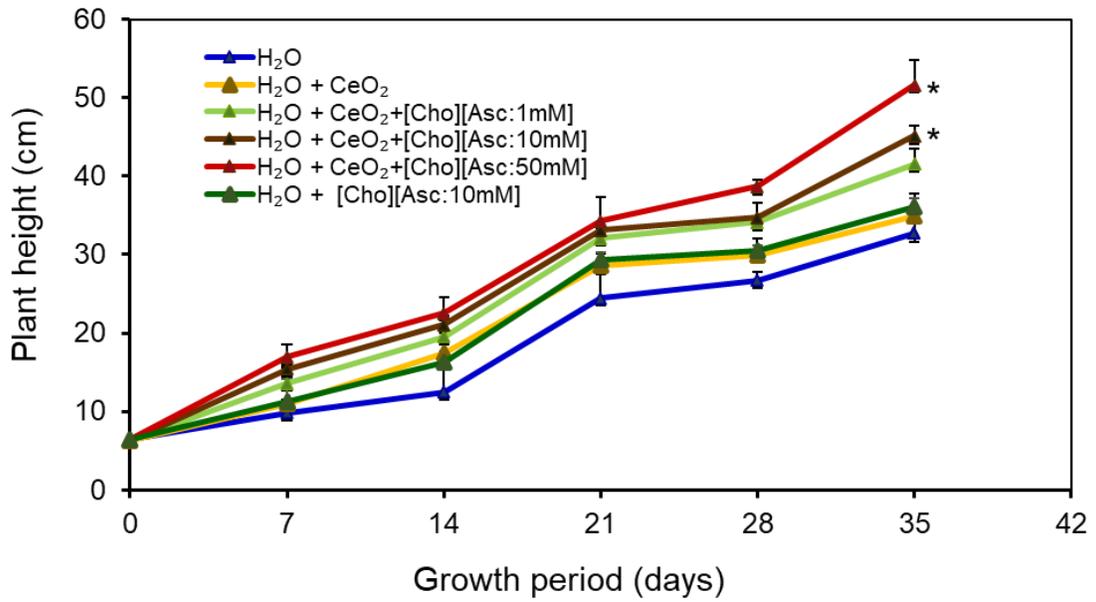


Fig. S2. Line graph of mean values depicting plant height of treated tobacco plants over a period of 5 weeks compared to the control (untreated). Different treatment combinations are shown. Asterisk marks denote high levels of significant differences for treatment vs. the control, with a significance level of $p < 0.05$.