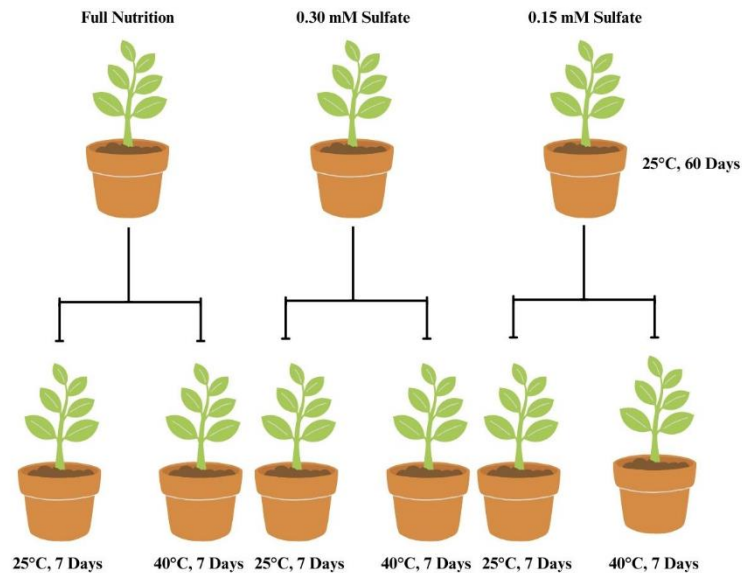


## ON-LINE SUPPLEMENTARY MATERIAL

Nisa İmamoğlu, E., Sağlam, A., Kadioğlu, A. Sulfur deficiency reduces the thermotolerance of *Heliotropium thermophilum* to high temperatures. Acta Botanica Croatica, DOI: 10.37427/botcro-2025-020.

**On-line Suppl. Tab. 1.** Treatments and recipes for the prepared media. \* indicates the microelements: 40  $\mu\text{M}$   $\text{Na}_2\text{FeEDTA}$ , 60  $\mu\text{M}$   $\text{H}_3\text{BO}_3$ , 14  $\mu\text{M}$   $\text{MnSO}_4$ , 1  $\mu\text{M}$   $\text{ZnSO}_4$ , 0.6  $\mu\text{M}$   $\text{CuSO}_4$ , 0.4  $\mu\text{M}$   $\text{NiCl}_2$ , 0.3  $\mu\text{M}$   $\text{HMnO}_4$ , 20 nM  $\text{CoCl}_2$ . MES - 2-(N-morpholino) ethanesulfonic acid.

Compound	Full nutrition Final (mM)	0.30 mM $\text{SO}_4^{2-}$ Final (mM)	0.15 mM $\text{SO}_4^{2-}$ Final (mM)
$\text{KNO}_3$	2	2	2
$\text{NH}_4\text{NO}_3$	1	1	1
$\text{KH}_2\text{PO}_4/\text{K}_2\text{HPO}_4$ (pH 5.8)	3	3	3
$\text{CaCl}_2$	4	4	4
$\text{MgSO}_4$	1	0.30	0.15
$\text{K}_2\text{SO}_4$	2	0	0
$\text{MgCl}_2$	0	0.70	0.85
KCl	0	4	4
MES (pH 5.8)	3	3	3
Glutamine	1	1	1
Microelements*	1 $\times$	1 $\times$	1 $\times$
Sucrose	0.5%	0.5%	0.5%



**On-line Suppl. Fig. 1.** A schematic illustration of the sulfur deficiency application under high temperature