

SUPPLEMENTARY MATERIAL

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Hygrophilous old-growth forest lichens are highly capable of instantaneous photosynthesis activation after short-term desiccation stress

Tab. S1. General characteristics of examined epiphytic lichens.

Fig. S2. Weather conditions during the period of lichen specimens sampling (based on the data obtained from IMGW station, code 249220180).

S1					
Lichen species	Growth form Reproductive strategy	Algal component	Ecological indicator values ¹	Indicative value ²	Threat category ³
<i>Cetrelia cetrarioides</i> (Duby) W.L. Culb. & C.F. Culb.	Foliose (broad lobed), mainly asexual	Green algae (trebouxioid)	L-5, F-6, T-4, N-2	Pf, OGf, Rf	EN
<i>Evernia prunastri</i> (L.) Ach.	Shrubby-foliose / fruticose, mainly asexual	Green algae (trebouxioid)	L-7, F-4, T-5, N-4	Mf	NT
<i>Flavoparmelia caperata</i> (L.) Hale	Foliose (broad lobed), mainly asexual	Green algae (trebouxioid)	L-6, F-4, T-7, N-4	RMf	EN
<i>Hypogymnia physodes</i> (L.) Nyl.	Foliose, (narrow lobed), mainly asexual	Green algae (trebouxioid)	L-7, F-3, T-no value, N-3	Df	–

<i>Lobaria pulmonaria</i> (L.) Hoffm.	Foliose (broad lobed), mainly asexual	Green algae (trebouxioid, main), <i>Nostoc</i> (additional, cephalodia in the medulla)	L-5, F-7, T-4, N-2	Pf, OGf, Rf	EN
<i>Menegazzia terebrata</i> (Hoffm.) A. Massal.	Foliose (narrow to broad lobed), mainly asexual	Green algae (trebouxioid)	L-5, F-7, T-4, N-1	Pf, OGf, Rf	CR
<i>Parmelia sulcata</i> Taylor	Foliose (narrow to broad lobed), mainly asexual	Green algae (trebouxioid)	L-7, F-3, T-no value, N-7	Mf	–
<i>Pseudevernia furfuracea</i> (L.) Zopf	Shrubby-foliose / fruticose, mainly asexual	Green algae (trebouxioid)	L-8, F-5, T-4, N-2	Mf	–
<i>Tuckermanopsis chlorophylla</i> (Willd.) Hale	Shrubby-foliose / subfruticose, mainly asexual	Green algae (trebouxioid)	L-6, F-6, T-4, N-3	Mf	VU

Abbreviations: L – light value, F – moisture v., T – temperature v., N – eutrophication v., Pf – primeval forest, RMf – regenerating managed forest, Mf – managed forest, Df – degenerated forest, OGf – old-growth forest indicator, Rf – primeval forest relict, CR – critically endangered, EN – endangered, NT – near threatened, VU – vulnerable

¹ acc. to: Wirth 2010; ² acc. to: Cieśliński 2003; Motiejūnaitė et al. 2004; ³ acc. to: Cieśliński et al. 2006

S2

