

Supplementary Table S3. Effect of light spectra and nitrogen source on chlorophyll “a” concentration of *Limnospira maxima* cultures were grown under white, red, blue, and yellow light spectra, supplemented with NaNO₃, KNO₃, and a control (WN). The values presented in the figure indicate the means (\pm standard error). Capital letters indicate significant effects between nitrogen sources within the same light spectrum, while lowercase letters indicate significance between light spectra within the same nitrogen source. The statistical significance was determined using the SNK test.

Light spectra	N source	0	3	6	9	12	15	18	21	24	27
White	NaNO ₃	3.86 Bd	6.40 Ba	7.93 Cb	8.85 Cb	11.31 Cb	12.34 Ca	14.39 Cb	14.36 Cb	17.53 Cb	17.89 Cc
	KNO ₃	3.90 Bb	7.14 Ba	9.64 Ba	11.17 Ba	13.44 Ba	14.73 Ba	17.07 Ba	19.51 Ba	19.99 Ba	22.47 Ba
	WN	6.53 Aa	13.68 Aa	18.30 Aa	21.43 Aa	24.96 Aa	25.77 Aa	30.70 Aa	28.76 Aa	26.94 Aa	25.04 Aa
Red	NaNO ₃	6.00 Ab	7.55 Aa	9.75 Aa	11.07 Aa	13.21 Aa	12.96 Aa	16.02 Aa	18.75 Aa	18.98 Aa	20.18 Ab
	KNO ₃	2.99 Bb	4.37 Bb	5.68 Cd	6.85 Bc	7.55 Bc	8.73 Bc	9.54 Bc	10.71 Bd	11.43 Bd	12.82 Bd
	WN	3.11 Bb	5.13 Bd	6.95 Bd	8.08 Bd	8.82 Bd	9.51 Bd	10.50 Bd	10.68 Bc	11.98 Bd	11.65 Bd
Blue	NaNO ₃	7.81 Aa	8.52 Aa	9.24 Aa	9.90 Aa	11.44 Ab	10.14 Bb	12.42 Ac	13.07 Bd	15.23 Ac	15.46 Ad
	KNO ₃	6.13 Ba	7.81 Aa	8.72 Aab	9.81 Ab	11.40 Ab	11.88 Ab	12.46 Ab	14.12 Ac	13.51 Ac	15.45 Ac
	WN	6.04 Ba	7.45 Ac	8.91 Ac	10.33 Ac	11.20 Ac	11.45 Ac	12.86 Ac	10.86 Cc	13.77 Ac	13.42 Bc
Yellow	NaNO ₃	4.81 Ac	6.89 Ba	9.97 Ba	10.98 Ba	12.87 Ba	13.62 Ba	16.63 Ba	16.31 Bc	20.27 Ba	22.08 Aa
	KNO ₃	3.01 Bb	4.98 Cb	7.17 Cc	8.46 Cb	10.70 Cb	11.43 Cb	12.38 Cb	15.02 Bb	16.66 Cb	16.93 Cb
	WN	5.14 Aa	9.90 Ab	12.73 Ab	14.97 Ab	17.40Ab	19.20 Ab	22.39 Ab	21.4 Ab	20.85 Ab	20.11 Bb