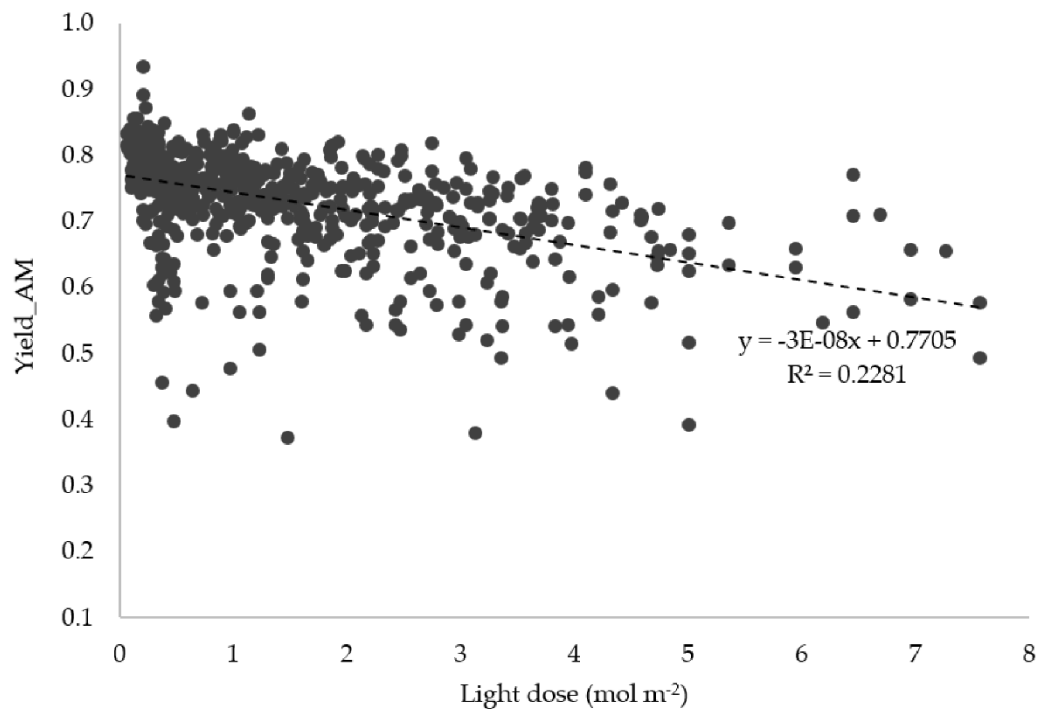


Supplementary Data



Supplementary Fig 1 Chlorophyll fluorescence yield in the morning (AM Yield) of all species and treatments for 10 weeks. Dots are individual measurements; broken line is the linear regression line

Supplementary Table 1 Relative growth rates ($\pm$ SD, cm d^{-1} ; $n=15$) of the four emergent macrophytes under different treatments namely, C₊ - permanently brackish water, C₋: permanently freshwater, A_{2b_2f}: alternate 2 days brackish water then 2 days freshwater, A_{4b_4f}: alternate 4 days brackish water then 4 days freshwater, and A_{4b_4f}: alternate 2 days brackish water then 4 days freshwater

Species_Time (Week)	Treatments				
<i>Carex acutiformis</i>	C ₊	C ₋	A _{2b_2f}	A _{4b_4f}	A _{2b_4f}
1	1.08 $\pm$ 0.32	1.09 $\pm$ 0.38	1.08 $\pm$ 0.37	0.95 $\pm$ 0.27	1.01 $\pm$ 0.41
2	0.73 $\pm$ 0.43	1.22 $\pm$ 0.65	1.12 $\pm$ 0.37	0.78 $\pm$ 0.24	1.01 $\pm$ 0.32
3	0.64 $\pm$ 0.24	0.69 $\pm$ 0.39	0.76 $\pm$ 0.28	0.73 $\pm$ 0.31	0.60 $\pm$ 0.24
4	0.70 $\pm$ 0.42	0.58 $\pm$ 0.42	0.44 $\pm$ 0.25	0.44 $\pm$ 0.22	0.69 $\pm$ 0.26
5	0.32 $\pm$ 0.25	0.46 $\pm$ 0.35	0.27 $\pm$ 0.43	0.41 $\pm$ 0.32	0.68 $\pm$ 0.40
6	0.17 $\pm$ 0.23	0.41 $\pm$ 0.23	0.38 $\pm$ 0.22	0.37 $\pm$ 0.30	0.53 $\pm$ 0.32
7	0.28 $\pm$ 0.25	0.36 $\pm$ 0.27	0.37 $\pm$ 0.24	0.40 $\pm$ 0.26	0.48 $\pm$ 0.36
8	0.23 $\pm$ 0.15	0.40 $\pm$ 0.25	0.33 $\pm$ 0.22	0.53 $\pm$ 0.31	0.51 $\pm$ 0.18
9	0.21 $\pm$ 0.16	0.47 $\pm$ 0.34	0.44 $\pm$ 0.29	0.52 $\pm$ 0.30	0.47 $\pm$ 0.44
10	0.17 $\pm$ 0.14	0.29 $\pm$ 0.24	0.20 $\pm$ 0.39	0.17 $\pm$ 0.28	-0.06 $\pm$ 0.58
<i>Phragmites australis</i>					
1	1.13 $\pm$ 0.73	1.27 $\pm$ 0.39	1.11 $\pm$ 0.25	1.18 $\pm$ 0.54	1.33 $\pm$ 0.36
2	1.27 $\pm$ 0.63	1.22 $\pm$ 0.41	1.35 $\pm$ 0.47	1.21 $\pm$ 0.42	1.37 $\pm$ 0.44
3	1.24 $\pm$ 0.28	1.21 $\pm$ 0.45	1.13 $\pm$ 0.32	1.10 $\pm$ 0.36	1.48 $\pm$ 0.36
4	1.25 $\pm$ 0.42	1.11 $\pm$ 0.58	1.24 $\pm$ 0.45	1.35 $\pm$ 0.35	1.55 $\pm$ 0.44
5	1.14 $\pm$ 0.41	1.18 $\pm$ 0.56	1.34 $\pm$ 0.42	1.46 $\pm$ 0.35	1.59 $\pm$ 0.51
6	1.00 $\pm$ 0.35	0.86 $\pm$ 0.49	1.05 $\pm$ 0.45	1.23 $\pm$ 0.39	1.33 $\pm$ 0.51
7	0.71 $\pm$ 0.27	0.52 $\pm$ 0.28	0.54 $\pm$ 0.29	0.64 $\pm$ 0.23	0.72 $\pm$ 0.35
8	0.52 $\pm$ 0.21	0.40 $\pm$ 0.26	0.61 $\pm$ 0.28	0.56 $\pm$ 0.26	0.59 $\pm$ 0.35
9	0.37 $\pm$ 0.18	0.31 $\pm$ 0.23	0.34 $\pm$ 0.16	0.45 $\pm$ 0.37	0.48 $\pm$ 0.25
10	0.13 $\pm$ 0.10	0.28 $\pm$ 0.26	0.49 $\pm$ 0.71	0.46 $\pm$ 0.82	0.22 $\pm$ 0.15
<i>Schoenoplectus tabernaemontani</i>					
1	1.04 $\pm$ 0.61	1.23 $\pm$ 0.29	0.90 $\pm$ 0.25	0.92 $\pm$ 0.40	0.99 $\pm$ 0.43
2	0.81 $\pm$ 0.33	1.09 $\pm$ 0.58	0.98 $\pm$ 0.41	0.95 $\pm$ 0.32	1.04 $\pm$ 0.24
3	0.74 $\pm$ 0.25	0.77 $\pm$ 0.37	0.86 $\pm$ 0.52	0.76 $\pm$ 0.17	0.82 $\pm$ 0.21
4	0.61 $\pm$ 0.29	0.61 $\pm$ 0.42	0.79 $\pm$ 0.41	0.54 $\pm$ 0.29	0.53 $\pm$ 0.30
5	0.41 $\pm$ 0.29	0.33 $\pm$ 0.31	0.57 $\pm$ 0.42	0.45 $\pm$ 0.32	0.55 $\pm$ 0.69
6	0.25 $\pm$ 0.38	0.05 $\pm$ 0.14	0.30 $\pm$ 0.33	0.28 $\pm$ 0.58	0.45 $\pm$ 0.80
7	0.31 $\pm$ 0.88	0.16 $\pm$ 0.87	0.83 $\pm$ 1.44	0.37 $\pm$ 0.67	-0.10 $\pm$ 1.51
8	-0.11 $\pm$ 0.78	-0.10 $\pm$ 0.60	0.39 $\pm$ 0.88	0.74 $\pm$ 1.30	0.50 $\pm$ 1.22
9	-0.39 $\pm$ 1.54	-0.64 $\pm$ 1.65	-0.81 $\pm$ 1.21	0.25 $\pm$ 2.35	-0.25 $\pm$ 1.17
10	-0.53 $\pm$ 1.02	-0.48 $\pm$ 1.23	-0.69 $\pm$ 1.36	0.64 $\pm$ 2.33	-0.39 $\pm$ 2.29
<i>Typha latifolia</i>					
1	1.38 $\pm$ 0.35	1.49 $\pm$ 0.46	1.54 $\pm$ 0.51	1.24 $\pm$ 0.26	1.23 $\pm$ 0.50
2	1.31 $\pm$ 0.32	1.54 $\pm$ 0.87	1.43 $\pm$ 0.32	1.28 $\pm$ 0.34	1.11 $\pm$ 0.50
3	1.03 $\pm$ 0.21	1.20 $\pm$ 0.64	1.22 $\pm$ 0.24	1.12 $\pm$ 0.28	1.02 $\pm$ 0.22
4	0.93 $\pm$ 0.47	1.25 $\pm$ 0.58	1.01 $\pm$ 0.38	1.08 $\pm$ 0.22	1.13 $\pm$ 0.16
5	0.78 $\pm$ 0.43	1.14 $\pm$ 0.30	0.98 $\pm$ 0.26	1.12 $\pm$ 0.25	1.03 $\pm$ 0.34
6	0.50 $\pm$ 0.23	0.94 $\pm$ 0.27	0.81 $\pm$ 0.52	0.82 $\pm$ 0.17	0.91 $\pm$ 0.33
7	0.50 $\pm$ 0.33	1.11 $\pm$ 0.31	0.67 $\pm$ 0.78	0.88 $\pm$ 0.30	0.88 $\pm$ 0.20
8	0.41 $\pm$ 0.32	1.13 $\pm$ 0.24	0.83 $\pm$ 0.33	1.07 $\pm$ 0.30	1.04 $\pm$ 0.24
9	0.24 $\pm$ 0.27	1.07 $\pm$ 0.37	0.70 $\pm$ 0.36	1.03 $\pm$ 0.46	0.79 $\pm$ 0.41
10	0.04 $\pm$ 0.31	0.90 $\pm$ 0.43	0.92 $\pm$ 0.61	0.84 $\pm$ 0.17	0.29 $\pm$ 0.27

Supplemental Table 2 Mean leaf elongation rates ($\pm$ SD, cm d⁻¹; n=15) of the four emergent macrophytes under different treatments namely, C+: permanently brackish water, C-: permanently freshwater, A_{2b_2f}: alternate 2 days brackish water then 2 days freshwater, A_{4b_4f}: alternate 4 days brackish water then 4 days freshwater, and A_{4b_4f}: alternate 2 days brackish water then 4 days freshwater; (-) in week 1 means no data yet

Species_Time (Week)	Treatments				
<i>Carex acutiformis</i>	C+	C-	A _{2b_2f}	A _{4b_4f}	A _{2b_4f}
1	-	-	-	-	-
2	0.08 $\pm$ 0.58	0.38 $\pm$ 0.68	0.44 $\pm$ 0.34	0.25 $\pm$ 0.46	0.35 $\pm$ 0.38
3	0.54 $\pm$ 0.31	0.39 $\pm$ 0.25	0.40 $\pm$ 0.25	0.35 $\pm$ 0.22	0.29 $\pm$ 0.27
4	0.46 $\pm$ 0.24	0.34 $\pm$ 0.30	0.55 $\pm$ 0.18	0.49 $\pm$ 0.30	0.72 $\pm$ 0.27
5	0.39 $\pm$ 0.47	0.60 $\pm$ 0.36	0.58 $\pm$ 0.30	0.50 $\pm$ 0.34	0.57 $\pm$ 0.33
6	0.39 $\pm$ 0.36	0.47 $\pm$ 0.40	0.37 $\pm$ 0.29	0.61 $\pm$ 0.55	0.70 $\pm$ 0.28
7	0.43 $\pm$ 0.42	0.31 $\pm$ 0.43	0.43 $\pm$ 0.39	0.43 $\pm$ 0.54	0.45 $\pm$ 0.30
8	0.11 $\pm$ 0.84	0.39 $\pm$ 0.31	0.36 $\pm$ 0.35	0.34 $\pm$ 0.49	0.53 $\pm$ 0.54
9	0.18 $\pm$ 0.45	0.59 $\pm$ 0.66	0.41 $\pm$ 0.21	0.15 $\pm$ 0.91	0.36 $\pm$ 0.51
10	0.35 $\pm$ 0.38	0.24 $\pm$ 0.51	0.38 $\pm$ 0.39	0.49 $\pm$ 1.00	0.38 $\pm$ 0.78
<i>Phragmites australis</i>					
1	-	-	-	-	-
2	0.39 $\pm$ 0.52	0.42 $\pm$ 0.22	0.68 $\pm$ 0.71	0.43 $\pm$ 0.24	0.64 $\pm$ 0.35
3	0.29 $\pm$ 0.16	0.17 $\pm$ 0.18	0.29 $\pm$ 0.13	0.38 $\pm$ 0.20	0.39 $\pm$ 0.24
4	0.31 $\pm$ 0.15	0.45 $\pm$ 0.32	0.36 $\pm$ 0.20	0.33 $\pm$ 0.14	0.50 $\pm$ 0.15
5	0.25 $\pm$ 0.16	0.29 $\pm$ 0.32	0.09 $\pm$ 0.61	0.26 $\pm$ 0.21	0.25 $\pm$ 0.20
6	0.18 $\pm$ 0.20	0.12 $\pm$ 0.29	0.22 $\pm$ 0.16	0.18 $\pm$ 0.18	0.38 $\pm$ 0.21
7	0.07 $\pm$ 0.20	0.18 $\pm$ 0.44	0.20 $\pm$ 0.21	0.21 $\pm$ 0.21	0.08 $\pm$ 0.25
8	0.11 $\pm$ 0.14	0.07 $\pm$ 0.30	0.07 $\pm$ 0.13	0.06 $\pm$ 0.22	0.03 $\pm$ 0.10
9	0.01 $\pm$ 0.21	0.06 $\pm$ 0.28	0.07 $\pm$ 0.15	0.01 $\pm$ 0.25	0.04 $\pm$ 0.18
10	0.07 $\pm$ 0.23	0.05 $\pm$ 0.28	0.05 $\pm$ 0.18	0.02 $\pm$ 0.14	-0.08 $\pm$ 0.12
<i>Typha latifolia</i>					
1	-	-	-	-	-
2	1.36 $\pm$ 0.82	1.21 $\pm$ 0.82	0.88 $\pm$ 0.30	1.28 $\pm$ 0.73	0.77 $\pm$ 0.43
3	0.51 $\pm$ 0.28	0.77 $\pm$ 0.40	0.72 $\pm$ 0.27	0.59 $\pm$ 0.29	0.53 $\pm$ 0.20
4	0.75 $\pm$ 0.29	0.76 $\pm$ 0.54	0.87 $\pm$ 0.24	0.81 $\pm$ 0.37	0.93 $\pm$ 0.22
5	0.81 $\pm$ 0.30	1.02 $\pm$ 0.33	0.70 $\pm$ 0.25	0.92 $\pm$ 0.42	0.88 $\pm$ 0.35
6	0.55 $\pm$ 0.39	0.81 $\pm$ 0.37	0.98 $\pm$ 0.53	0.82 $\pm$ 0.38	0.81 $\pm$ 0.25
7	0.29 $\pm$ 0.69	1.25 $\pm$ 0.45	0.61 $\pm$ 0.69	0.85 $\pm$ 0.37	0.81 $\pm$ 0.40
8	0.65 $\pm$ 0.67	0.69 $\pm$ 0.37	0.86 $\pm$ 0.60	0.91 $\pm$ 0.37	0.78 $\pm$ 0.34
9	0.55 $\pm$ 0.46	1.04 $\pm$ 0.39	0.59 $\pm$ 0.40	0.92 $\pm$ 0.56	1.01 $\pm$ 0.37
10	0.27 $\pm$ 0.24	0.87 $\pm$ 0.63	0.71 $\pm$ 0.55	0.78 $\pm$ 0.50	0.62 $\pm$ 0.33