



Supplement of

Pan evaporation is increased by submerged macrophytes

Brigitta Simon-Gáspár et al.

Correspondence to: Brigitta Simon-Gáspár (simon.gaspar.brigitta@uni-mate.hu)

The copyright of individual parts of the supplement might differ from the article licence.

Availability of the used meteorological data:

https://odp.met.hu/climate/station_data_series/daily/

Training data set			Testing data set		
Ep of C	Ep of S	Ep of SM	Ep of C	Ep of S	Ep of SM
5.6	3.5	4.1	3.2	5.2	5.3
4.7	4.7	5.9	3.9	3.5	5.5
4.1	4.7	5.3	4.1	4.7	5.0
4.7	5.3	6.5	4.2	5.1	5.4
5.3	4.4	7.1	3.8	5.2	5.8
5.0	5.9	7.6	4.5	5.2	5.4
5.6	5.9	8.2	5.1	5.2	5.2
6.5	6.5	8.2	3.3	3.6	4.0
4.7	4.7	6.5	3.6	3.4	3.5
4.1	5.0	5.0	2.1	2.7	2.5
4.1	4.1	5.0	2.7	2.9	3.2
5.6	5.6	5.9	3.7	4.3	5.0
3.8	3.5	6.2	3.2	3.7	4.5
1.2	1.8	0.9	2.4	3.2	3.6
3.0	3.8	4.4	1.1	2.2	2.2
3.8	3.5	4.1	2.3	2.7	2.8
1.9	4.0	3.1	2.1	3.9	3.6
2.9	3.8	3.2	5.9	5.4	6.0
2.4	1.8	2.4	3.8	5.1	5.6
5.0	5.0	6.2	6.0	6.2	6.8
3.2	4.1	4.4	5.1	5.0	5.4
3.5	3.8	4.1	4.5	5.4	5.5
2.9	2.9	2.6	2.2	2.2	2.9
4.1	5.6	5.3	2.8	2.9	3.0
4.4	6.2	6.5	1.3	1.7	2.0
4.1	4.1	4.7	1.6	2.4	2.7
5.3	6.5	7.6	2.8	3.4	3.6
4.4	5.3	5.0	3.0	4.3	5.7
5.6	5.9	6.5	1.2	2.4	2.1
4.7	5.9	6.5	1.2	1.4	2.2
5.6	5.9	5.3	3.1	3.6	4.1
5.9	6.2	7.6	3.0	3.4	4.1
4.7	4.6	5.1	3.4	3.8	4.5
2.1	2.6	1.9	3.3	4.5	4.9
3.8	4.1	4.7	3.0	2.8	4.2
4.4	4.1	4.7	3.4	4.8	4.9
5.6	5.6	5.9	3.5	3.5	3.5
2.4	1.8	2.4	3.2	3.3	3.7
2.6	3.1	2.6	4.1	4.4	5.3
4.1	4.7	5.0	4.3	5.5	6.5
4.7	5.0	4.7	3.7	4.8	5.0
4.4	5.3	5.3	1.0	1.1	1.4
4.4	4.6	4.9	2.2	2.3	2.7
4.1	5.6	5.9	2.2	2.6	2.7

5.0	5.2	5.3	4.1	3.9	4.3
4.1	4.7	6.8	4.4	4.5	4.7
5.3	6.1	6.2	4.3	4.6	4.9
5.9	6.2	7.1	4.6	4.8	5.0
6.7	7.0	7.9	3.1	3.4	3.7
3.2	3.4	4.0	5.3	6.1	6.1
2.5	3.0	3.3	5.5	6.3	6.2
3.0	2.6	3.4	4.3	4.1	4.4
2.1	2.3	3.2	3.3	3.3	3.5
1.8	2.2	3.5	2.1	2.2	2.4
2.0	2.3	3.5	6.8	6.3	6.2
2.4	2.7	3.1	6.2	6.6	7.0
2.9	3.5	2.9	6.1	6.8	6.3
4.1	4.7	4.7	4.7	4.7	4.8
3.5	4.7	6.5	4.0	4.1	4.3
4.1	4.1	4.1	6.1	6.1	7.3
4.1	6.0	6.1	6.9	7.1	7.4
5.6	5.2	5.1	5.9	6.3	6.1
4.4	5.3	4.7	3.9	3.6	4.0
5.3	4.7	5.9	2.4	2.5	2.9
4.7	5.0	5.4	3.8	3.9	4.2
5.0	5.3	6.1	3.9	5.4	4.0
4.1	5.6	5.3	4.6	5.5	4.8
4.7	4.1	4.7	4.5	4.7	5.2
5.9	6.8	7.1	4.9	5.6	5.3
4.7	5.6	6.2	5.8	5.7	6.5
4.1	5.6	5.3	4.7	6.2	6.8
4.0	4.2	4.8	4.2	5.0	5.4
3.2	3.7	4.0	1.9	2.1	2.0
4.0	4.3	4.9	4.3	4.6	4.6
2.1	2.1	2.1	4.3	4.6	4.7
1.8	1.5	2.9	2.0	2.9	3.0
2.9	3.8	3.5	3.3	3.4	3.7
3.5	3.2	3.5	3.9	3.9	4.0
2.9	3.2	3.9	3.4	3.8	3.8
2.9	2.9	3.8	3.8	4.1	4.5
1.2	2.7	2.4	4.5	5.3	6.1
2.2	2.9	2.9	4.1	4.7	4.2
2.1	2.9	3.2	5.1	5.4	5.5
2.1	3.5	3.8	4.1	4.2	4.7
1.8	2.9	2.9	4.2	4.2	4.8
4.0	4.1	4.2	4.3	5.0	4.8
4.0	4.2	4.5	2.7	3.1	3.1
3.9	3.6	3.6	1.4	1.1	1.8
2.4	2.4	3.0	1.8	1.9	2.0
3.6	4.0	4.5	2.7	2.8	2.3
2.7	3.1	3.5	2.5	2.4	3.7
1.6	2.1	2.2	2.1	3.2	2.9
1.6	2.1	2.3	3.7	3.8	4.2
2.1	2.5	2.8	1.6	1.8	1.8

2.1	2.7	2.2	1.0	1.2	1.4
2.2	3.0	2.8	1.2	1.3	1.7
3.0	4.6	5.1	0.3	0.4	0.6
3.0	4.2	4.5	1.6	1.6	1.7
2.9	4.0	4.2	2.4	2.5	3.2
4.7	5.4	5.5	2.4	2.8	2.7
2.1	3.5	5.3	2.1	2.3	2.5
2.9	4.6	4.4	3.6	3.5	3.6
3.8	4.1	4.4	2.9	3.6	3.7
2.7	3.1	3.5	2.5	3.7	3.1
3.0	3.1	3.3	2.9	2.7	3.1
2.9	3.2	3.4	3.6	4.0	4.1
2.9	4.0	4.8	5.0	5.1	5.2
2.2	3.2	2.7	3.9	4.8	5.0
1.2	2.4	2.1	3.7	5.1	5.4
4.1	4.7	5.0	4.9	5.1	5.7
5.2	5.1	5.4	4.8	5.5	5.6
4.5	5.6	7.0	4.5	5.1	5.6
2.1	2.4	2.8	4.5	4.7	5.2
2.0	2.2	2.3	4.1	4.3	4.9
3.3	4.7	4.0	3.8	4.7	5.2
3.8	4.8	5.4	4.3	4.3	5.0
4.5	5.4	5.5	3.7	4.4	4.6
4.7	6.2	6.8	2.5	3.0	3.2
4.8	5.1	6.0	3.6	4.8	4.9
3.6	4.0	4.8	4.3	4.8	5.0
3.3	2.9	3.9	2.4	2.5	2.6
5.3	6.1	6.1	0.5	1.1	1.5
3.9	5.2	5.1	4.5	4.2	4.8
4.6	5.3	5.2	4.3	4.7	4.8
4.6	5.4	5.5	4.6	5.4	6.2
3.2	3.7	4.5	3.8	4.3	4.3
3.8	3.5	3.9	6.3	6.6	6.9
4.2	5.2	5.3	4.4	5.3	5.9
5.5	6.9	7.2	4.9	6.0	6.0
1.8	2.5	2.3	5.9	6.1	6.2
3.7	5.1	5.4	5.5	5.5	6.0
3.7	4.8	5.0	5.4	5.7	6.0
3.2	3.8	3.5	3.6	4.0	4.6
4.0	5.2	5.5	4.0	4.7	5.5
5.2	6.0	6.4	5.0	6.1	6.1
5.8	6.8	7.1	2.3	3.1	3.6
5.0	6.1	6.0	1.1	1.2	1.1
4.6	6.2	5.9	2.8	3.0	3.1
2.1	3.5	4.3	5.0	5.3	5.7
2.1	2.2	2.0	3.1	3.6	3.6
2.4	2.8	2.5	2.0	2.7	2.7
2.5	3.3	3.3	2.3	2.8	3.0
4.3	5.0	5.1	3.8	4.5	5.2
3.5	4.0	4.3	4.7	5.2	5.9

3.8	4.1	4.5	2.6	2.7	3.0
4.3	5.2	5.3	2.4	3.1	3.3
4.2	5.1	5.2	3.8	4.2	4.7
4.1	5.1	5.1	3.8	4.9	5.8
2.8	2.6	2.5	4.0	4.8	5.5
2.7	2.8	2.5	4.2	4.3	4.5
2.8	2.6	2.5	4.1	4.9	5.7
2.8	3.4	4.9	5.3	5.6	6.0
4.0	4.9	5.0	5.3	6.0	6.4
4.2	5.0	5.4	3.6	4.0	4.1
4.6	4.5	4.8	2.0	2.7	3.0
4.4	4.9	5.4	1.2	1.6	1.5
4.1	5.1	5.2	1.1	1.1	1.0
3.2	4.0	4.7	0.6	0.7	1.1
4.5	5.3	6.1	4.4	5.4	5.5
3.8	4.8	5.4	3.9	4.1	4.6
5.4	6.3	7.3	3.5	3.9	4.0
4.9	5.4	5.9	1.9	2.0	2.4
3.8	4.8	5.1	1.9	2.0	2.7
4.2	4.8	5.4	3.6	4.0	4.7
2.1	2.2	1.7	3.2	3.7	4.4
2.6	2.8	3.1	3.7	4.0	4.3
3.2	3.2	3.7	2.6	3.4	3.5
2.0	2.4	2.7	2.2	2.8	3.0
3.0	3.5	3.7	2.8	3.6	3.8
5.7	6.1	6.5	4.4	5.0	6.2
3.0	5.4	5.6	4.8	5.1	6.5
2.7	2.8	2.3	4.0	4.3	6.5
1.4	1.4	3.8	2.9	3.4	3.5
1.2	1.4	3.2	2.6	2.8	3.0
1.9	2.1	2.0	2.8	3.3	3.8
2.2	2.3	2.8	2.2	2.4	3.1
2.6	2.6	2.7	2.6	3.8	4.2
4.1	5.1	5.2	3.8	4.0	4.2
2.0	2.4	2.7	3.9	4.0	4.8
2.2	2.6	3.1	3.6	4.1	5.0
2.1	2.4	2.8	3.9	5.3	5.9
2.2	2.3	2.7	2.7	3.3	3.9
2.2	2.3	2.5	2.5	3.7	4.2
3.4	3.3	4.6	3.0	3.7	4.5
3.7	4.5	4.2	3.4	3.6	3.6
3.5	3.3	2.9	2.1	2.2	2.1
1.9	1.8	2.4	2.8	3.6	3.6
2.1	2.9	3.0	3.5	3.9	4.2
2.6	2.7	2.8	3.0	3.3	4.1
2.2	2.3	2.8	3.1	3.9	4.0
2.6	2.6	2.7	3.3	4.0	4.1
2.0	2.2	2.4	2.9	3.1	3.2
1.9	2.1	2.0	2.4	2.6	2.8
2.2	2.3	2.7	3.0	3.3	3.7

2.1	2.1	2.7	3.0	3.3	3.9
2.6	2.3	2.5	2.3	2.9	3.5
0.9	0.7	1.1	1.0	1.4	1.3
0.7	0.8	1.0	1.1	1.1	1.2
3.2	3.2	3.2	0.9	1.0	1.1
3.6	3.5	3.8	1.8	1.4	1.7
1.1	1.1	1.4	1.4	1.6	2.4
1.5	1.8	1.7	2.5	2.5	2.9
1.4	1.6	2.0	3.2	3.3	3.5
1.4	1.1	1.8	2.0	2.4	2.6
1.3	1.0	1.7	2.5	2.5	3.0
1.8	1.9	2.0	2.3	2.5	2.8
1.7	2.8	2.2	2.1	2.3	2.6
1.3	2.5	1.8	1.2	1.3	1.3
1.4	1.7	2.0	3.0	3.1	3.2
1.4	1.5	2.1	3.4	3.7	3.9
1.3	1.0	1.7	4.3	4.3	4.9
1.8	1.9	2.0	3.6	3.7	3.5
1.7	2.8	2.2	3.4	3.7	3.9
1.3	2.5	1.8	4.0	4.2	4.4
1.4	1.5	2.0	3.4	3.8	3.8
1.4	1.5	2.1	4.0	4.0	4.5
2.9	3.6	3.7	2.7	2.8	3.0
3.1	3.6	4.1	3.4	3.1	3.0
3.4	4.5	6.0	3.9	4.3	4.7
3.8	5.4	5.7	3.0	3.3	3.1
4.3	5.3	6.6	2.7	3.2	3.4
4.4	5.4	6.7	1.7	1.7	1.4
2.0	2.7	2.9	2.1	1.8	2.1
3.2	3.7	4.8	2.4	2.0	2.5
2.9	3.2	4.0	1.6	2.3	2.2
3.3	4.0	4.4	2.0	2.4	2.5
2.0	2.3	3.0	2.7	2.8	2.7
2.4	2.9	3.4	2.4	2.5	2.6
3.6	3.9	5.0	4.0	4.3	4.6
3.5	4.3	5.2	5.9	6.0	6.2
2.6	3.6	4.2	4.6	4.6	5.3
3.2	3.8	5.1	3.9	4.0	4.1
4.0	4.5	5.7	4.0	4.3	4.4
3.9	4.3	5.7	3.2	3.2	4.1
2.7	3.1	4.0	3.9	4.0	4.2
3.6	4.9	6.4	2.4	2.9	2.9
2.4	3.1	3.8	3.3	3.8	4.1
2.9	4.3	5.0	5.2	5.4	5.3
3.5	3.8	5.1	5.2	5.4	5.7
4.4	5.3	5.7	3.3	3.2	3.3
3.9	3.6	4.1	3.8	3.9	4.5
4.8	5.7	6.4	4.8	4.8	5.2
4.4	3.5	5.7	3.4	4.2	4.2
4.3	4.9	5.3	4.0	4.3	4.8

2.5	4.6	3.7	4.1	4.5	5.6
2.4	2.6	3.1	4.9	5.2	5.4
3.4	3.8	4.9	4.0	4.2	4.5
2.6	2.9	4.9	4.1	4.4	4.9
3.5	4.6	5.2	3.8	4.1	4.9
4.0	4.8	5.6	3.9	4.0	4.5
4.0	4.9	5.6	3.9	4.0	4.5
3.4	3.4	3.7	4.1	4.6	4.7
3.5	4.0	4.8	2.3	3.0	2.8
3.5	4.0	4.8	2.7	3.1	3.3
3.6	4.3	5.4	2.8	3.0	3.7
4.4	5.0	5.4	2.5	3.1	3.1
4.9	6.3	6.7	3.6	3.7	3.7
5.0	6.2	7.0	4.4	4.7	5.4
4.7	6.5	7.0	3.0	3.2	3.6
4.5	6.3	6.9	1.2	1.7	4.8
5.1	6.6	6.7	1.3	1.7	1.9
5.1	6.6	7.1	1.2	1.2	1.3
3.7	4.6	4.9	4.1	4.3	4.6
3.4	3.9	4.7	5.0	5.1	5.2
3.4	3.3	3.9	4.6	4.9	5.0
3.4	4.3	4.9	4.3	4.8	5.3
2.5	3.2	3.4	4.0	4.2	4.5
3.2	4.3	4.6	3.7	3.9	4.0
3.3	3.9	4.6	2.4	2.3	3.2
4.5	5.5	6.4	3.8	4.2	4.8
4.9	5.7	7.0	3.2	3.4	3.7
5.0	6.1	6.6	1.5	1.6	1.7
3.3	4.1	4.7	2.0	2.1	2.1
3.3	4.2	5.4	3.2	3.3	3.7
1.9	2.5	2.8	3.7	4.5	4.6
3.3	4.7	4.8	3.7	3.8	3.7
2.7	3.0	3.5	3.7	3.9	4.0
1.8	1.9	2.1	3.0	3.1	3.2
3.8	5.0	5.6	2.9	3.1	3.2
3.5	3.9	4.9	3.3	3.8	3.9
3.8	4.6	5.0	4.0	4.2	4.3
4.4	5.2	5.6	1.7	2.0	2.1
5.0	6.1	6.5	3.0	3.0	3.2
5.3	6.1	6.3	1.8	1.8	2.0
4.5	6.0	6.1	2.9	3.0	3.3
4.8	5.9	7.3	1.2	1.3	1.5
5.5	6.1	5.9	3.5	3.7	3.8
4.1	5.1	5.5	3.7	4.2	4.3
3.3	3.8	4.4	3.1	3.3	3.7
3.3	3.6	3.9	2.8	3.2	3.3
3.8	4.1	4.9	3.2	3.6	3.6
5.1	5.5	6.8	3.4	3.3	3.7
4.1	5.4	7.0	3.5	3.8	4.1
2.6	3.4	4.9	3.0	3.1	3.2

2.6	3.4	3.6	3.0	3.3	3.4
2.7	3.3	4.1	2.9	2.9	3.6
3.8	4.7	5.2	3.4	3.6	3.8
4.0	4.4	4.6	2.9	3.1	3.3
3.7	4.3	5.0	2.1	2.3	2.4
3.8	4.0	4.4	2.7	2.9	3.0
3.7	4.0	4.5	2.1	2.4	2.6
2.1	2.2	3.0	2.3	2.2	2.7
1.8	2.2	3.4	2.8	3.3	3.4
1.7	2.1	2.3	2.1	2.5	2.5
3.1	3.0	3.5	3.0	3.2	3.2
2.5	3.0	3.9	2.4	2.7	2.9
1.9	3.3	3.8	2.3	2.5	2.9
4.4	5.0	6.0	2.4	2.6	2.7
3.5	3.9	4.1	2.4	2.9	2.3
1.8	2.1	2.2	2.1	2.2	2.6
1.6	1.3	2.3	2.3	2.3	2.5
2.8	3.6	4.2	2.6	2.7	2.8
3.2	3.6	4.1	2.0	2.3	2.8
2.5	1.8	2.7	3.0	3.1	3.3