

Table S1 Physicochemical parameters measured in the Palazzo Borghese pond in each sampling occasion over the years 2019-2021.

Year	Sampling date	O ₂ (mg/l)	Conductivity ($\mu\text{S cm}^{-1}$)	pH (units)	Air temperature (°C)	Water temperature (°C)	Chlorides (mg/l)	Sulphates (mg/l)	NH ₄ ⁺ (mg/l)	NO ₃ -N (mg/l)	NO ₂ -N (mg/l)	P-PO ₄ (mg/l)	BOD ₅ (mg/l)	COD (mg/l)
2019	27/04/2019	7.20	211	7.41	7.5	4.90	15	0	0.063	1.1	0.07	0.09	0.0	10.30
2019	17/05/2019	8.10	193	7.76	6.5	7.80	4	0	0.098	0.3	0.06	0.07	0.5	32.4
2019	31/05/2019	9.80	197	8.60	5.0	7.80	14	0	0.060	0.3	0.07	0.09	1.8	8.0
2019	09/06/2019	8.00	203	8.28	22.5	19.80	23	0	0.063	0.6	0.05	0.22	0.8	13.3
2020	04/05/2020	8.80	180	7.75	12.5	8.80	11	0	0.165	0.3	0.07	0.04	1.8	8.0
2020	14/05/2020	7.02	238	7.42	16.2	18.00	12	5	0.119	0.7	0.09	0.21	1.7	10.7
2021	14/05/2021	11.40	147	8.24	10.0	5.46	34	0	0.033	0.8	0.09	0.03	0.4	10.7
2021	24/05/2021	9.73	160	8.30	14.3	12.70	14	0	0.034	0.4	0.06	0.05	0.9	15.1
2021	31/05/2021	8.95	161	7.89	9.3	14.99	30	0	0.046	0.4	0.07	0.04	1.9	12.3
2021	11/06/2021	6.76	105	7.48	18.5	21.39	27	0	0.065	0.4	0.08	0.12	3.0	23.1