

Supplementary material

Effects of micro-, meio- and macroinvertebrates associated with burial on the decomposition of an aquatic macrophyte (*Vallisneria natans*) in a eutrophic shallow lake in China

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Table S1. Mean abundance of micro-, meio-, and macroinvertebrates found in SW and B10 in Lake Nanhu during the study period

Most taxa were resolved to species level. Notes: mean abundance per g leaf dry weigh. SW, sediment–water interface; B10, buried at 10-cm depth

	SW				B10			
	0.025 mm	0.042 mm	0.5 mm	5 mm	0.025 mm	0.042 mm	0.5 mm	5 mm
Microinvertebrate								
Flagellata								
<i>Bodo</i> sp.	0	0	0	0	0	138.16 ± 5.332	113.10 ± 3.887	198.99 ± 0.008
Sarcodina								
<i>Amoeba proteus</i>	11.22 ± 0.003	0	151.78 ± 0.006	153.13 ± 0.554	0	218.43 ± 1.554	210.24 ± 2.775	190.40 ± 1.754
<i>Saccamoeba limax</i>	0	0	83.04 ± 0.001	90.53 ± 0.006	0	311.54 ± 0.998	52.54 ± 0.006	0
<i>Saccamoeba</i> sp.	0	2.34 ± 0.003	0	151.54 ± 0.997	0	0	82.85 ± 0.985	0
<i>Pelomyxa palustris</i>	0	0	229.06 ± 0.213	354.72 ± 1.775	0	0	191.75 ± 0.886	0
<i>Hyalodiscus actinophorus</i>	0	68.64 ± 0.001	0	0	0	198.42 ± 0.006	256.74 ± 0.001	0
<i>Platyamoeba placida</i>	0	72.86 ± 0.002	150.95 ± 0.001	384.52 ± 3.886	1.54 ± 0.004	302.21 ± 2.554	148.23 ± 3.775	383.12 ± 0.007
<i>Mayorella penardi</i>	0	93.66 ± 0.002	390.31 ± 0.003	311.73 ± 0.998	0	73.73 ± 0.098	98.54 ± 0.003	0
<i>Cashia angelica</i>	0	67.77 ± 0.004	142.75 ± 0.821	142.54 ± 0.998	0	96.54 ± 0.986	176.53 ± 0.998	0
<i>Vahlkampfia vahtkampfia</i>	0	193.43 ± 0.212	123.64 ± 0.967	115.74 ± 2.665	0	212.69 ± 0.004	259.65 ± 0.665	364.32 ± 0.963
<i>Polychaos dubium</i>	0	31.66 ± 0.211	211.84 ± 0.066	81.75 ± 0.997	0	64.85 ± 0.886	0	0
<i>Sublamoeba saphirina</i>	0	0	352.41 ± 0.564	184.75 ± 1.443	0	161.65 ± 1.665	86.54 ± 0.998	191.54 ± 0.986
<i>Pontigulasia incise</i>	0	159.01 ± 0.001	0	231.63 ± 0.009	0	132.76 ± 0.986	179.75 ± 1.554	0
<i>Arcella discoides</i>	0	171.16 ± 0.001	0	150.04 ± 0.001	0	61.76 ± 0.009	186.76 ± 3.664	0
<i>Diffugia globulosa</i>	0	60.93 ± 0.002	99.04 ± 0.998	0	15.65 ± 0.886	201.65 ± 3.986	269.76 ± 4.788	90.97 ± 0.003
<i>Diffugia corona</i>	0	129.09 ± 0.001	222.85 ± 0.5578	433.63 ± 0.005	0	115.65 ± 0.886	178.65 ± 6.973	112.21 ± 1.543
<i>Diffugia gramen</i>	0	118.43 ± 0.003	98.82 ± 0.995	318.88 ± 3.776	0	0	197.16 ± 5.864	141.64 ± 2.864
<i>Quadrullella globulosa</i>	0	91.04 ± 0.212	132.75 ± 0.997	0	0	90.55 ± 0.006	94.87 ± 0.997	190.87 ± 0.002
Ciliatea								
<i>Tintinnopsis wangi</i>	0	91.45 ± 0.043	111.22 ± 3.889	0	0	74.23 ± 0.004	0	0
<i>Actinophrys sol</i>	0	88.96 ± 0.001	62.62 ± 0.997	0	0	68.43 ± 1.654	0	112.12 ± 0.987
<i>Paramecium aurelia</i>	8.43 ± 3.117	211.95 ± 1.313	316.43 ± 1.008	0	0	98.67 ± 3.964	0	14.32 ± 0.289
<i>Epistylis</i> sp.	0	328.43 ± 3.117	91.63 ± 0.004	0	0	17.43 ± 0.978	0	71.02 ± 0.084
<i>Vorticella</i> sp.	0	110.04 ± 2.753	202.42 ± 0.007	0	0	64.54 ± 1.554	0	70.86 ± 0.001
<i>Euplotes</i> sp.	0	319.05 ± 3.793	91.56 ± 5.895	0	0	84.86 ± 0.767	0	119.67 ± 0.002
Meioinvertebrate								
Rotifera								
<i>Resticula melandocus</i>	0	0	0	193.12 ± 1.665	0	0	58.66 ± 6.996	49.32 ± 0.935
<i>Notholca labis</i>	0	0	63.23 ± 0.564	71.82 ± 0.887	0	0	0	65.65 ± 1.974

	SW				B10			
	0.025 mm	0.042 mm	0.5 mm	5 mm	0.025 mm	0.042 mm	0.5 mm	5 mm
<i>Lecane ungulata</i>	0	1.29 ± 0.908	102.54 ± 0.987	250.64 ± 0.004	0	0.30 ± 0.953	88.65 ± 1.997	98.64 ± 0.963
<i>Filinia</i> sp.	0	0	71.96 ± 0.543	55.54 ± 0.998	0	0	41.65 ± 0.953	16.11 ± 1.775
<i>Monostyla bulla</i>	0	0	130.64 ± 1.665	183.74 ± 0.997	0	0	52.12 ± 0.532	32.54 ± 3.974
<i>Philodina erythrophthalma</i>	0	0	183.41 ± 1.665	232.75 ± 2.554	0	0	111.42 ± 1.643	81.85 ± 4.085
<i>Testudinalla</i> sp.	0	0	0	79.86 ± 0.004	0	0	83.32 ± 0.973	8.41 ± 0.984
<i>Brachionus forficula</i>	0	0	89.64 ± 1.086	88.54 ± 0.12	0	0	81.96 ± 3.742	92.74 ± 0.008
<i>Asplanchna</i> sp.	0	0	253.43 ± 0.908	139.53 ± 0.005	0	0	73.33 ± 1.664	134.91 ± 0.986
<i>Lecane luna</i>	0	0	48.09 ± 0.321	99.53 ± 0.654	0	0	41.52 ± 0.002	163.26 ± 4.987
Cladocera								
<i>Macrothrix</i> sp.	0	0	0	88.42 ± 0.443	0	0	21.66 ± 3.886	16.76 ± 0.004
<i>Diaphanosoma</i> sp.	0	0	0	22.14 ± 0.006	0	0	24.54 ± 1.653	22.54 ± 0.009
<i>Daphnia cristata</i>	0	0	0	52.48 ± 0.009	0	0	98.96 ± 0.664	6.86 ± 0.097
<i>Alonella</i> sp.	0	0	0	81.53 ± 0.088	0	0	27.36 ± 0.998	3.73 ± 0.001
Copepoda								
<i>Macrocylops disinctus</i>	0	0	0	137.37 ± 0.997	0	0	0	0
Macroinvertebrate								
<i>Propsilocerus akamusi</i>	0	0	0.15 ± 0.097	9.68 ± 0.044	0	0	0.02 ± 0.003	1.29 ± 0.004
<i>Chironomus flaviplumus</i>	0	0	0	4.54 ± 0.037	0	0	0	5.22 ± 0.046
<i>Aeolosoma hemprichii</i>	0	0	0	2.02 ± 0.097	0	0	0	0.17 ± 0.004
<i>Gyraulus albus</i>	0	0	0	3.07 ± 0.009	0	0	0	0
<i>Erpobdella octoculata</i>	0	0	0	2.01 ± 0.054	0	0	0	0.11 ± 0.005
<i>Eucypris</i> sp.	0	0	0	4.91 ± 0.004	0	0	0	1.18 ± 0.003
<i>Cercion calamorun</i>	0	0	0	2.58 ± 0.031	0	0	0	0