

The influence of aquatic macrophytes on the distribution and feeding habits of two *Asplanchna* species (*A. priodonta* and *A. herrickii*) in shallow wetlands in South Korea

**Jong-Yun CHOI,¹ Kwang-Seuk JEONG,^{1,2} Geung-Hwan LA,³
Kwang-Hyeon CHANG,⁴ Gea-Jae JOO^{1*}**

¹Department of Biological Sciences, Pusan National University, Busan 609-735, South Korea

²Institute of Environmental Technology & Industry, Pusan National University, Busan 609-735, South Korea

³Department of Environmental Education, Suncheon National University, Suncheon, Jeonnam 540-742, South Korea

⁴Dept of Environmental Science and Engineering, Kyung-Hee University, Yongin, Gyeonggi 446-701, South Korea

*Corresponding author: gjjoo@pusan.ac.kr

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Supplementary Tab. 1. Environmental parameters and zooplankton taxa investigated in vegetated and open water zones. The units of zooplankton taxa density is ind. L⁻¹. Area is indicated in m².

Site No.	Vegetated zones												Open water zones									
	MC	WT	DO	Cond.	Tur.	Chl.a	ASP	PLA	EPI	CLA	COP	Area	WT	DO	Cond.	Tur.	Chl.a	ASP	PLA	EPI	CLA	COP
1	22	25.1	7.6	121.0	6	11.3	0	35	0	8.8	0	875	25.1	7.7	121.3	8.9	11.5	0	195	0	0	0
2	76	19.8	10.5	149.5	9	14.9	8.8	87.5	275.75	21.3	53.8	8765	20.1	10.4	142.9	8.2	3.6	217.5	8.8	26.3	0	8.8
3	45.0	21.6	7.1	329.4	51.6	24.6	0	17.5	70	43.8	17.5	15,432	21.4	6.7	369.6	74.9	24.7	238.75	26.3	26.3	140	26.25
4	62	18.7	4.6	111.9	3.9	5.1	0	35	8.8	21.3	23.8	13,643	19.1	4.5	119.1	4.9	5.6	218.75	0	8.8	57.5	35
5	64	28.6	11.2	185.4	4.7	6.2	0	17.5	222.5	87.5	32.5	1276	28.1	11.3	193.3	12.4	13.4	8.8	157.7	0	0	17.8
6	83	26.3	5.3	209.2	5.9	16.5	0	105	183.75	70	17.5	21,648	25.8	7.1	210.9	5.8	2.5	218.75	8.8	61.3	8.8	26.25
7	63	26.5	10.2	546.0	7.2	18.7	8.8	105	70	17.5	70	1765	26.4	10.5	549	4.1	34.6	17.5	245	35	8.8	35
8	53	27.3	4.8	202.2	8.2	24.2	8.8	245	43.8	0	8.8	235	28.1	5.7	205.6	24.1	14.6	8.8	342.2	17.5	26.3	0
9	46	22.5	4.6	306.2	6	8.3	0	17.5	35	26.3	16.3	5765	21.3	4.7	318.4	12.2	17.1	0	284	8.8	0	8.8
10	76	24.2	2.0	387.3	10.2	35.6	8.8	700	318.75	36.3	17.5	689	24.1	9.4	423.5	8.4	10.2	8.8	205	131.2	26.3	11.25
11	39	26.1	8.7	503.0	6.2	8.3	0	8.8	8.8	0	0	24,437	26.5	12.0	502	7.1	24.2	328.75	35	35	0	8.8
12	72	26.0	2.8	306.0	18.14	22.3	0	52.5	8.8	35	35	4376	26.2	6.0	323.8	21.2	22.1	0	142.7	43.8	0	35
13	62	23.2	7.4	149.7	3.9	8.3	0	43.8	70	17.5	26.3	4875	23.2	8.2	147.2	2.4	26.3	0	328.7	26.3	0	0
14	75	23.2	7.6	268.1	2.1	5.1	8.8	35	96.3	38.8	35	3543	23.0	7.5	268.5	1.7	22.3	8.8	186.5	26.3	17.5	8.8
15	43	25.0	8.5	234.0	12.8	18.1	8.8	113.8	43.8	33.8	35	1876	24.4	9.9	232.5	15.9	4.6	35	152.5	26.3	8.8	0
16	34	20.2	8.4	68.0	3.9	6.1	0	8.75	8.8	8.8	17.5	24,834	20.5	8.5	68.3	3.5	26.3	418.75	8.8	8.8	0	0
17	68	24.6	11.3	196.6	1.8	4.3	0	17.5	225	17.5	31.3	765	23.1	10.7	190.2	0.9	9.3	0	288.7	26.3	0	0
18	46	21.4	7.9	217.1	1.7	7.3	0	17.5	26.3	0	0	976	20.8	5.6	220.9	2.9	34.4	0	178.7	26.3	8.8	26.25
19	98	29.8	3.6	372.6	23.2	38.3	8.8	592.5	341.25	17.5	105	314	29.3	3.6	370.2	27.1	27.3	8.8	420	87.5	0	0
20	53	15.8	8.6	178.3	1.2	3.3	0	8.75	52.5	105	8.8	5765	15.4	8.6	179	2	24.3	0	291	0	17.5	8.8
21	75	24.4	7.1	342.9	47.2	26.2	0	140	61.3	28.8	23.8	6765	24.4	8.3	342.1	36.4	25.3	8.8	376.2	35	8.8	35
22	46	22.5	7.8	314.6	32.4	22.4	0	17.5	0	18.8	17.5	765	23.2	7.3	309.4	42.3	13.3	0	183.7	17.5	35	26.25
23	61	25.6	7.8	634.0	3.1	8.3	0	96.3	122.5	52.5	26.3	2156	25.5	7.7	627	3.0	12.3	0	131.2	43.8	0	17.5
24	62	26.2	6.9	147.7	12.3	21.3	0	183.7	390	17.5	0	2345	25.8	5.6	151	13.2	38.1	0	841.5	87.5	0	8.8
25	42	16.8	5.2	111.3	13.3	13.3	0	8.8	8.75	35	38.8	1465	16.9	6.4	110.8	9.3	16.3	0	223	8.8	8.75	0
26	46	27.9	3.5	354.5	5.3	13.2	0	52.5	17.5	0	43.8	4678	28.2	10.8	355.8	4.3	22.3	0	170	52.5	0	0
27	36	20.7	7.1	79.9	5	16.3	8.8	8.8	43.8	8.8	8.8	20,432	20.8	7.2	80	4.3	1.4	332.5	8.8	131.2	17.5	0
28	75	22.0	7.5	91.2	5.6	12.3	0	0	58.8	13.8	48.8	3325	21.6	7.4	94.2	3.3	34.3	0	385	8.8	0	8.8
29	45	25.4	5.7	216.9	4.3	19.6	0	87.5	113.8	17.5	17.5	1124	25.5	7.9	218	2.1	22.3	0	270	113.8	26.25	17.5
30	70	23.5	6.1	210.6	4.5	7.5	0	70	148.75	17.5	17.5	876	26.2	7.0	208.8	3.9	22.4	0	335	8.8	0	0
31	66	23.7	7.0	144.1	6.2	17.3	0	70	26.3	14	20	5543	23.3	7.8	142.6	1.7	12.4	128.75	78.8	8.8	0	26.25
32	62	26.7	15.4	243.4	5.3	30.8	17.5	210	57.5	0	31.3	1654	27.0	16.7	244.6	7.3	15.9	26.3	185.2	35	0	0
33	4	20.9	8.5	35.7	5	14.3	0	0	0	8.8	0	22,438	20.6	7.6	36	5.2	22.3	478.75	0	8.8	0	8.8

MC, Macrophyte cover (%); WT; water temperature (°C), DO; dissolved oxygen (mg·L⁻¹), Cond.; conductivity (µS·cm⁻¹), Tur., turbidity; Chl.a; chlorophyll a (µg·L⁻¹), ASP, *Asplanchna* spp.; PLA, pelagic rotifer; EPI, Epiphytic rotifer; CLA, Cladoceran; COP, Copepod.

Supplementary Tab. 2. Division of rotifer genera into different habitat groups. The table was based on Sakuma *et al.* 2002, Gyllström *et al.* 2005, and Choi *et al.* 2012.

Rotifer	Sakuma <i>et al.</i> , 2002	Gyllström <i>et al.</i> , 2005	Choi <i>et al.</i> , 2012
<i>Ascomorpha</i>		Pelagic	
<i>Asplanchna</i>		Pelagic	
<i>Brachiouenus</i>		Pelagic	Pelagic
<i>Cephalodella</i>		Epiphytic	
<i>Collotheca</i>	Epiphytic		
<i>Dicranophorus</i>		Epiphytic	
<i>Elosa</i>		Epiphytic	
<i>Euchlanis</i>	Epiphytic	Epiphytic	Epiphytic
<i>Filinia</i>		Pelagic	
<i>Gastropus</i>		Pelagic	
<i>Kellicottia</i>		Pelagic	Pelagic
<i>Keratella</i>		Pelagic	Pelagic
<i>Lecane</i>	Epiphytic	Epiphytic	Epiphytic
<i>Lepadella</i>	Epiphytic	Epiphytic	Epiphytic
<i>Macrochaetus</i>			Ambiguous
<i>Mytilina</i>			Ambiguous
<i>Polyarthra</i>	Pelagic	Pelagic	Pelagic
<i>Synchaeta</i>		Pelagic	
<i>Testudinella</i>			Epiphytic
<i>Trichocerca</i>	Epiphytic	Epiphytic	Epiphytic