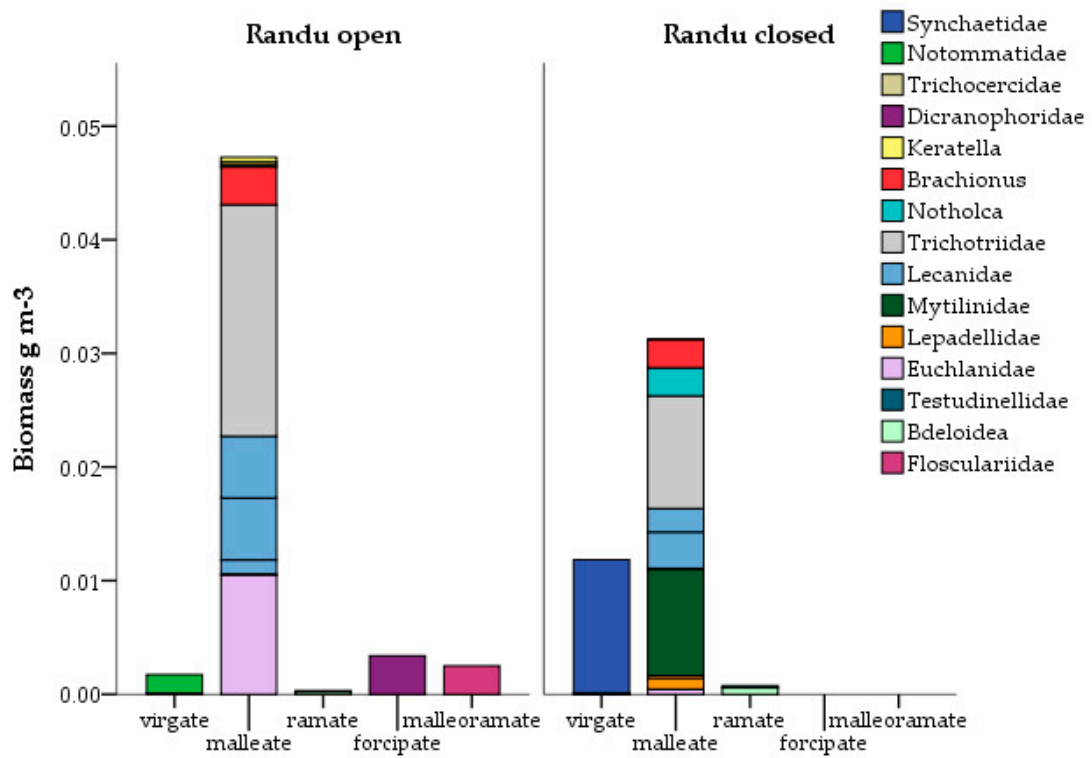


**Table S1.** Seasonal changes in the concentrations of SO<sub>4</sub><sup>2-</sup>, Cl<sup>-</sup>, DOC and Water color in the studied lagoons.

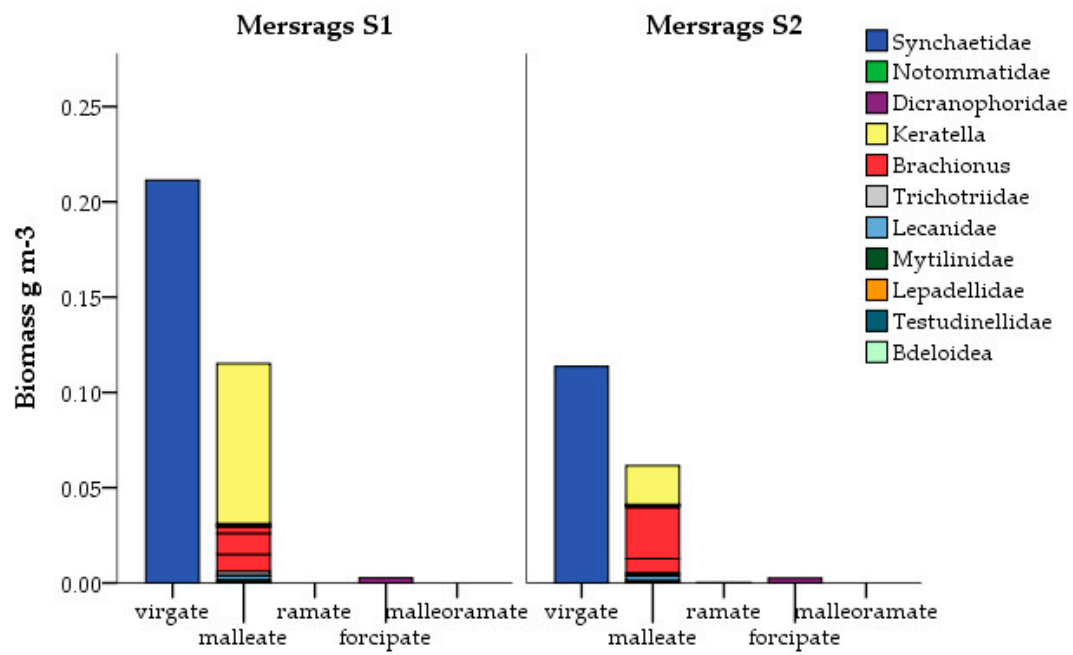
Sampling point	Sampling date	T, °C	Water color, Pt-Co	SO <sub>4</sub> <sup>2-</sup> , mg/l	DOC, mg/l	Cl <sup>-</sup> , mg/l
Mērsrags Sea	30.07.2020	n.a.	27	363	18	n.a.
	25.11.2020	5.7	26	450	18	3209
	25.02.2021	n.a.	14	270	16	2955
	12.05.2021	n.a.	22	275	18	3631
	29.06.2021	n.a.	40	195	19	2955
Mērsrags S1	03.07.2020	n.a.	51	325	23	2688
	30.07.2021	19.8	40	375	22	3006
	25.11.2020	5.8	31	350	17	3033
	25.02.2021	1.6	83	115	21	1131
	12.05.2021	15.6	44	220	19	2668
	29.06.2021	26.6	69	255	22	3040
Mērsrags S2	03.07.2020	n.a.	69	288	22	2601
	30.07.2021	20.8	47	263	23	3074
	25.11.2020	5.4	30	350	18	2922
	25.02.2021	2.2	116	140	22	1368
	12.05.2021	15.8	51	215	20	2077
	29.06.2021	26.4	74	150	24	2567
Mērsrags N	03.07.2020	n.a.	60	338	23	2729
	30.07.2021	19.2	49	388	21	3242
	25.11.2020	5.5	64	325	20	2736
	25.02.2021	1.9	71	60	19	490
	12.05.2021	14.7	42	240	19	3276
	29.06.2021	26.8	77	260	19	3141
Randu pļavu Sea	11.08.2020	n.a.	66	300	23	2820
	24.11.2020	6.1	40	338	18	2702
	23.02.2021	n.a.	28	388	20	6552
	11.05.2021	n.a.	52	195	22	2094
	01.07.2021	n.a.	39	235	18	2972
Randu pļavas connected with Sea	15.07.2020	n.a.	71	325	n.a.	2540
	11.08.2020	23.1	117	225	29	1993
	24.11.2020	5.6	65	263	23	2229
	23.02.2021	0.6	164	138	33	2972
	11.05.2021	17.7	117	170	24	2060
	01.07.2021	30.1	88	235	19	2786
Randu pļavas isolated from Sea	15.07.2020	n.a.	136	288	n.a.	2378
	11.08.2020	21.7	256	163	37	1824
	24.11.2020	5.5	95	250	23	2060
	23.02.2021	1.1	184	113	33	2364
	11.05.2021	16.6	152	145	27	1452
	01.07.2021	28.2	174	200	32	2145

n.a. – not analysed

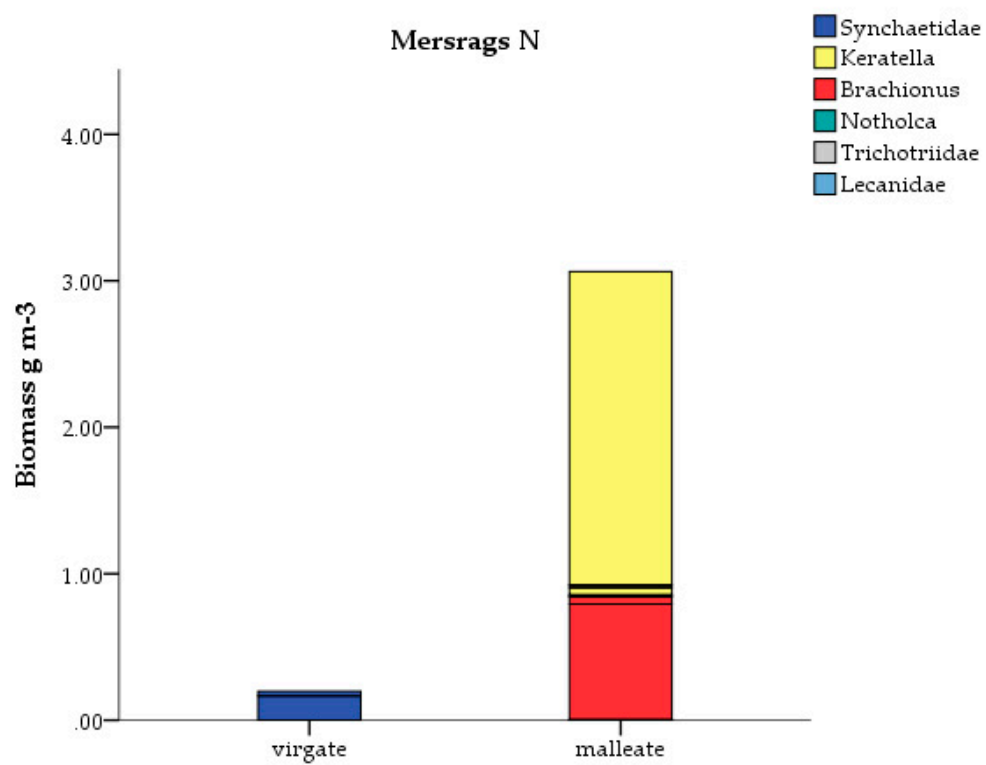
**Figure S 1.** Feeding functional structure of Rotifera community by biomass in the studied lagoons: (a) the “Randu pļavas” lagoon, (b) southern part of the Mērsrags lagoon; (c) northern part of the Mērsrags lagoon.



(a) the “Randu pļavas” lagoon



(b) southern part of the Mersrags lagoon



(c) northern part of the Mersrags lagoon