

Supplementary materials: Evaluation of the migration potential of printed plastic films into the aquatic environment

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Table 1. Changes in the TOC (mgC/L) concentration in the water matrices: sample AP (1)

Sample AP (1)												
Water matrix:	deionized											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	12.74±0.82	29.88±1.18	32.90±1.28	29.92±0.89	32.88±1.12	34.82±1.14	39.20±0.48	32.60±0.89	35.66±1.12	32.13±1.08	33.19±0.44
natural	0.00±0.00	18.98±0.69	18.88±0.29	22.92±2.10	28.83±0.92	32.92±0.89	36.53±0.68	38.98±1.08	41.29±1.38	38.98±0.96	36.58±0.62	32.89±0.48
24h	0.00±0.00	19.97±0.58	21.12±0.38	18.85±1.12	31.56±0.68	42.10±0.88	42.49±1.79	42.56±1.28	38.89±2.10	32.09±1.62	33.08±0.48	32.02±0.56
Water matrix:	spring water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	18.92±0.10	29.33±0.56	34.44±1.18	38.44±0.29	41.87±1.29	39.88±0.44	39.63±0.82	41.20±2.18	38.82±1.18	39.90±0.42	37.25±0.28
natural	0.00±0.00	18.20±0.12	22.16±0.28	32.98±1.28	31.21±0.22	39.71±1.18	42.16±0.18	43.23±0.58	34.82±0.88	32.65±0.62	35.46±0.48	33.16±0.39
24h	0.00±0.00	21.33±0.28	26.65±0.48	29.20±0.92	34.4±0.48	37.25±0.80	41.25±0.22	48.88±0.36	48.42±0.62	34.46±0.68	32.16±0.21	28.42±0.48
Water matrix:	tap water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.08±0.06	19.88±0.18	23.34±0.59	28.85±0.92	38.41±1.08	38.28±0.89	39.20±0.89	42.12±0.48	38.88±0.48	36.66±1.19	28.82±0.29	24.48±0.22
natural	0.02±0.06	21.20±0.22	28.89±0.12	32.20±0.29	34.58±0.49	38.98±0.78	39.98±1.02	41.23±1.98	44.97±0.32	38.92±1.29	36.89±0.32	36.20±0.18
24h	0.10±0.04	28.80±0.28	31.48±0.22	34.58±0.32	35.98±0.52	38.92±0.42	40.08±0.82	42.33±0.88	45.65±0.69	38.90±0.98	37.20±0.48	38.89±0.12

Table 2. Changes in the DOC (mgC/L) concentration in the water matrices: sample AP (1)

Sample AP (1)												
Water matrix:	deionized											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	8.94±0.62	19.82±0.98	22.26±2.12	16.82±0.92	20.25±0.98	19.29±0.96	27.38±0.65	24.65±0.29	28.29±0.52	26.33±0.39	28.21±0.58
natural	0.00±0.00	12.90±0.72	10.28±0.31	14.18±1.89	14.16±1.23	19.02±0.62	25.23±1.18	26.29±1.48	36.20±2.08	32.08±0.65	29.18±0.92	27.20±1.12
24h	0.00±0.00	13.48±0.52	15.48±0.22	10.05±0.92	20.08±0.91	31.18±1.23	28.21±0.92	30.18±0.46	29.88±1.19	28.02±1.85	29.18±0.52	29.32±0.86
Water matrix:	spring water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	11.16±0.85	18.78±0.46	22.28±0.89	38.44±0.29	29.18±0.36	28.36±0.42	28.62±0.72	32.55±1.92	31.20±1.08	32.08±0.49	28.20±0.32
natural	0.00±0.00	12.23±0.32	16.22±0.42	21.20±1.21	31.21±0.22	38.80±0.28	30.41±0.63	25.56±0.42	27.63±0.98	28.29±0.72	29.06±0.41	29.09±0.41
24h	0.00±0.00	16.58±0.23	19.12±0.92	16.28±0.92	34.4±0.48	26.36±1.22	28.78±0.44	24.83±0.26	41.40±0.58	29.20±0.48	28.20±0.89	22.40±0.29
Water matrix:	tap water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	11.94±0.56	12.92±0.26	19.12±1.18	38.41±1.08	38.28±0.89	31.08±1.23	30.89±0.94	32.20±1.22	29.70±1.21	21.09±0.42	18.80±0.40
natural	0.00±0.00	16.20±0.42	14.98±0.49	21.08±0.52	34.58±0.49	38.98±0.78	26.33±1.42	30.48±1.20	39.09±0.48	32.90±0.98	32.42±0.56	30.42±0.49
24h	0.00±0.00	19.49±0.42	20.19±0.36	18.12±0.28	35.98±0.52	38.92±0.42	28.86±0.86	34.33±0.88	38.62±0.52	31.50±0.69	31.53±1.20	32.80±0.69

Table 3. Changes in the TOC (mgC/L) concentration in the water matrices: sample L(2)												
Sample L (2)												
Water matrix:	deionized											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	14.23±0.89	28.89±2.10	32.92±0.92	36.88±1.12	38.92±0.72	39.20±0.69	38.44±0.95	34.45±1.89	31.77±0.69	32.75±0.88	33.29±1.38
natural	0.00±0.00	13.65±1.48	28.12±2.80	31.65±0.90	38.89±0.29	41.23±1.19	42.70±0.98	42.89±0.42	41.49±2.28	41.86±0.18	38.89±0.69	32.54±2.10
24h	0.00±0.00	14.45±1.62	21.89±0.89	38.88±0.88	42.12±0.68	42.51±2.18	43.18±2.18	42.39±0.56	38.92±0.68	32.65±0.29	33.49±1.12	34.09±0.68
Water matrix:	spring water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.08±0.04	26.65±0.28	32.98±0.78	39.19±0.48	39.88±0.79	40.12±0.98	40.20±0.58	38.89±1.28	39.20±1.08	35.24±0.28	39.17±1.12	36.60±0.98
natural	0.08±0.09	28.98±0.48	36.68±1.18	42.33±0.69	41.26±1.18	41.02±1.39	37.78±0.69	38.98±0.88	39.92±0.58	40.20±0.96	37.34±0.48	36.52±0.32
24h	0.04±0.06	32.20±0.93	38.89±2.26	40.33±0.78	40.45±1.29	42.80±2.10	42.56±0.88	49.20±2.26	47.93±0.29	37.27±0.29	36.68±0.52	35.33±0.48
Water matrix:	tap water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.10±0.08	11.63±0.19	19.53±0.28	22.19±0.98	30.42±1.18	38.89±0.18	42.98±1.28	39.52±0.85	38.89±0.89	36.65±1.38	34.56±0.89	32.10±3.02
natural	0.00±0.00	18.98±0.21	23.33±0.36	29.92±0.69	38.89±0.68	38.04±0.29	38.63±0.98	42.65±0.88	45.41±1.22	40.88±2.10	38.58±0.78	35.65±1.02
24h	0.06±0.11	21.33±0.12	28.88±1.12	32.20±0.28	39.89±0.21	41.22±0.89	42.33±0.89	42.09±0.82	36.56±1.36	39.20±2.18	34.63±0.38	33.38±0.98

Table 4. Changes in the DOC (mgC/L) concentration in the water matrices: sample L(2)												
Sample L (2)												
Water matrix:	deionized											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	8.40±0.98	19.90±1.12	25.50±0.30	29.08±1.08	29.90±0.93	28.21±0.69	28.56±1.20	28.60±0.80	20.89±0.64	27.70±0.86	29.92±1.60
natural	0.00±0.00	6.29±1.03	18.56±0.89	24.15±0.69	32.90±0.36	35.28±0.91	36.40±0.65	37.39±0.68	36.52±0.69	34.80±0.58	29.92±0.93	25.60±0.85
24h	0.00±0.00	9.26±0.88	14.52±1.26	29.81±0.66	36.62±0.98	32.25±1.29	39.28±1.80	36.40±0.48	29.90±1.23	32.28±1.60	25.40±0.68	26.90±0.49
Water matrix:	spring water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	21.06±0.63	25.68±0.41	29.20±0.52	30.02±0.42	31.23±1.08	32.21±0.42	26.33±1.21	26.32±0.68	28.20±0.88	28.72±0.82	29.36±1.09
natural	0.00±0.00	21.42±0.44	28.18±2.11	35.30±1.18	32.60±0.52	30.08±1.92	29.73±0.78	29.23±0.81	29.98±0.42	35.21±0.42	30.29±0.89	29.12±1.12
24h	0.00±0.00	23.14±1.04	30.08±1.60	30.52±0.63	29.40±0.63	32.05±0.62	38.52±0.92	38.28±0.32	38.20±0.48	32.85±0.32	29.32±0.49	30.01±0.46
Water matrix:	tap water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	7.69±0.19	8.13±0.45	10.89±0.88	19.42±2.21	27.89±1.84	31.92±1.49	30.18±0.29	25.63±0.91	28.98±0.91	26.38±0.57	21.23±2.16
natural	0.00±0.00	10.82±0.31	12.39±0.87	18.83±0.49	29.95±1.98	27.41±2.09	27.89±2.82	33.51±0.43	34.41±1.21	29.82±1.68	27.43±1.28	26.20±0.67
24h	0.00±0.00	11.32±1.12	9.98±1.13	21.92±1.09	26.91±1.24	30.24±1.19	32.67±1.32	33.06±0.92	27.54±1.13	29.20±1.92	26.93±0.84	25.49±1.24

Table 5. Changes in the TOC (mgC/L) concentration in the water matrices: sample D (3)												
Sample D (3)												
Water matrix:	deionized											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	0.78±0.18	13.78±0.22	13.48±0.22	15.78±0.39	19.33±0.29	24.42±0.88	27.12±0.28	26.14±0.48	22.26±1.12	24.17±0.28	23.78±0.92
natural	0.00±0.00	0.68±0.06	11.42±0.18	11.19±0.28	12.64±0.42	21.02±0.32	33.77±0.42	31.98±0.33	33.27±0.58	41.95±1.18	33.78±0.33	26.88±1.18
24h	0.00±0.00	0.89±0.05	11.88±0.24	21.09±0.29	23.88±0.28	31.67±0.36	35.12±0.22	38.09±0.32	42.27±1.28	42.72±0.89	31.87±0.92	28.47±0.48
Water matrix:	spring water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.04±0.02	21.89±1.21	29.64±0.48	29.85±0.42	38.88±1.29	36.04±0.88	36.58±0.92	38.92±0.48	38.99±0.28	41.23±2.08	38.32±0.58	36.58±0.49
natural	0.08±0.06	18.89±0.89	28.65±0.78	28.98±0.38	32.23±1.08	33.48±0.49	36.89±0.88	43.43±0.32	37.88±0.55	39.20±1.21	30.19±0.62	32.88±1.22
24h	0.08±0.04	22.58±0.55	28.88±0.48	32.23±0.72	34.88±0.92	34.81±0.56	36.93±0.42	42.82±0.22	40.32±1.65	38.88±0.89	35.69±0.36	34.65±0.88
Water matrix:	tap water											

Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	22.58±1.12	28.45±0.89	38.44±0.36	37.46±0.63	44.10±1.38	44.28±0.58	48.16±0.82	44.12±1.12	42.33±0.39	37.13±1.18	34.12±0.98
natural	0.00±0.00	12.98±0.58	18.98±0.69	26.89±0.19	31.29±0.68	32.89±1.12	36.92±0.42	40.58±1.12	47.43±1.82	36.63±0.48	38.04±2.08	32.88±1.18
24h	0.00±0.00	21.23±0.63	28.92±0.32	34.88±0.48	36.92±0.56	38.92±0.49	42.89±0.88	44.58±0.44	48.22±0.88	39.66±0.56	34.28±0.49	32.74±0.28

Table 6. Changes in the DOC (mgC/L) concentration in the water matrices: sample D (3)

Sample D (3)												
Water matrix:	deionized											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	0.21±0.06	7.21±0.29	8.22±0.49	11.08±0.89	15.65±0.49	18.63±0.44	21.05±1.12	14.20±0.63	11.22±1.88	13.37±0.42	14.20±1.89
natural	0.00±0.00	0.39±0.16	8.09±0.44	9.32±0.28	9.95±0.63	17.06±0.52	25.42±1.16	24.21±1.23	21.02±0.94	29.65±0.48	24.18±0.92	14.49±2.23
24h	0.00±0.00	0.63±0.41	8.78±0.62	15.29±1.18	16.23±0.68	26.41±2.12	26.06±2.26	27.45±0.89	33.48±1.69	33.08±2.23	20.34±0.46	19.18±2.10
Water matrix:	spring water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	10.23±0.48	17.61±0.88	17.92±1.12	27.34±2.13	23.42±0.41	25.18±1.86	26.20±0.41	26.18±0.96	31.42±0.59	26.41±1.53	26.96±1.63
natural	0.00±0.00	9.14±0.42	17.95±0.72	17.23±0.42	21.26±1.65	21.82±0.96	25.52±1.63	32.38±0.49	25.42±0.63	27.22±1.85	19.48±2.18	21.92±1.06
24h	0.00±0.00	10.12±0.93	17.12±1.14	21.41±0.69	22.92±2.46	23.48±2.18	24.88±1.12	33.06±1.63	31.65±0.98	29.22±0.95	24.42±1.62	23.15±2.11
Water matrix:	tap water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	13.83±0.85	9.41±1.63	28.16±0.42	24.45±1.42	33.34±1.29	32.14±0.29	34.62±0.69	32.42±2.10	34.42±1.12	26.34±1.23	26.48±2.20
natural	0.00±0.00	5.14±1.19	10.80±2.18	18.26±1.48	22.48±1.12	21.14±1.48	28.08±0.63	31.18±1.65	36.23±1.92	25.33±0.96	26.46±1.18	23.49±2.10
24h	0.00±0.00	9.48±1.53	17.21±1.26	24.23±1.63	24.43±1.68	27.43±0.93	33.20±0.41	33.23±1.18	37.18±0.68	28.16±0.64	23.89±0.69	24.63±1.48

Table 7. Changes in the TOC (mgC/L) concentration in the water matrices: sample MK (4)

Sample MK (4)												
Water matrix:	deionized											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	0.00±0.18	0.82±0.12	2.80±0.80	4.98±0.14	9.24±0.61	11.22±0.19	11.89±0.10	8.23±0.17	8.12±0.10	7.88±0.20	7.38±0.22
natural	0.00±0.00	0.89±0.12	2.04±0.18	3.22±0.13	6.12±0.18	8.22±0.28	12.20±0.16	12.98±0.11	13.26±0.25	11.98±0.27	11.70±0.12	12.20±0.19
24h	0.00±0.00	1.20±0.21	1.87±0.21	4.58±0.12	6.98±0.09	10.65±0.16	14.32±0.26	13.30±0.25	12.20±0.10	11.80±0.22	11.20±0.20	10.52±0.12
Water matrix:	spring water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	29.68±0.19	25.69±0.21	28.99±0.22	34.18±0.19	40.19±0.28	38.55±0.32	38.99±0.18	36.79±0.20	35.48±0.33	32.23±0.09	34.89±0.29
natural	0.00±0.00	12.38±0.22	14.89±0.28	14.87±0.29	21.04±0.12	25.82±0.21	27.89±0.28	36.66±0.22	32.32±0.12	26.62±0.30	26.12±0.28	28.32±0.22
24h	0.00±0.00	28.88±0.12	32.65±0.20	36.98±0.22	38.88±0.22	42.32±0.29	42.65±0.33	48.20±0.20	44.51±0.09	42.38±0.22	33.37±0.12	32.88±0.13
Water matrix:	tap water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	19.87±0.19	27.26±0.29	23.87±0.19	24.96±0.18	22.98±0.32	23.87±0.38	23.29±0.20	22.68±0.22	32.23±0.18	36.60±0.23	28.56±0.18
natural	0.00±0.00	12.88±0.10	13.20±0.22	13.89±0.10	21.92±0.29	22.82±0.21	28.52±0.22	31.89±0.39	38.82±0.28	35.28±0.22	29.23±0.12	22.66±0.10
24h	0.00±0.00	14.20±0.12	13.73±0.13	14.49±0.12	18.98±0.22	22.31±0.12	24.52±0.28	39.09±0.32	32.87±0.22	31.19±0.11	36.68±0.21	32.59±0.12

Table 4. Changes in the DOC (mgC/L) concentration in the water matrices: sample MK (4)

Sample MK (4)												
Water matrix:	deionized											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	0.00±0.00	0.21±0.09	0.92±0.83	1.84±0.49	2.11±1.31	4.63±0.69	6.63±1.16	6.06±1.10	6.88±1.19	6.02±0.48	5.96±1.53
natural	0.00±0.00	0.29±0.09	0.89±0.63	1.02±0.28	2.14±0.52	2.48±0.63	5.48±0.48	8.46±1.64	8.09±0.49	8.92±0.89	8.84±0.63	8.63±1.23
24h	0.00±0.00	2.48±0.48	0.42±0.23	2.26±0.65	3.98±0.42	4.16±0.48	7.26±1.28	7.29±1.19	8.23±1.41	9.42±1.60	9.69±1.62	8.21±0.43

Water matrix:	spring water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	16.81±0.46	13.23±0.49	16.20±0.48	23.82±1.63	29.41±2.23	27.60±1.86	26.63±0.48	27.40±0.69	28.81±0.42	24.39±2.28	28.41±1.18
natural	0.00±0.00	5.89±1.18	6.93±1.42	9.42±0.63	9.98±1.19	14.21±0.89	16.23±0.43	22.49±2.18	21.88±2.18	18.84±0.63	21.05±1.18	21.42±1.64
24h	0.00±0.00	14.12±0.63	21.42±0.23	24.63±1.18	26.42±1.60	32.09±0.63	33.96±1.63	36.60±2.23	35.68±1.19	38.23±1.45	29.45±2.69	27.42±2.10
Water matrix:	tap water											
Week of research:	1	2	3	4	5	6	7	8	9	10	11	12
0h	0.00±0.00	13.72±0.42	14.42±0.48	15.40±1.12	18.61±1.69	10.62±1.42	12.80±2.10	14.60±0.48	15.12±0.24	21.60±1.22	24.88±0.64	23.63±1.19
natural	0.00±0.00	6.41±1.33	8.36±1.12	8.82±0.86	12.42±0.48	12.84±1.60	19.12±1.48	24.92±2.46	27.41±0.63	27.88±0.44	24.34±1.62	19.98±0.86
24h	0.00±0.00	8.23±1.18	7.20±0.82	8.05±1.13	11.63±0.69	11.93±1.13	15.63±0.59	18.16±1.18	20.14±0.88	20.92±1.28	24.14±0.68	25.83±1.53

Table 5. Changes in the TDS (mg/L) concentration in the water matrices												
Sample AP (1)												
Water matrix:	deionized				spring water				tap water			
Week of research:	2	4	8	10	2	4	8	10	2	4	8	10
Light conditions												
0h	5.90±0.89	112.48±6.12	132.65±5.08	1188.50±9.98	28.00±2.12	129.98±9.92	258.48±7.66	1920.20±11.85	3.92±1.18	84.00±5.12	165.20±9.12	1992.28±6.12
natural	112.21±6.22	194.48±3.32	252.28±5.88	1882.29±6.12	32.90±1.18	138.89±8.82	272.92±8.12	2001.00±7.89	129.98±10.28	155.85±8.82	289.90±8.86	1126.60±5.58
24h	69.20±8.26	132.65±8.12	269.89±4.20	1129.88±6.68	69.80±6.85	152.69±7.22	221.80±5.89	1988.20±5.12	69.89±6.18	169.89±9.12	292.50±7.82	1248.60±12.85
Sample L (2)												
Water matrix:	deionized				spring water				tap water			
Week of research:	2	4	8	10	2	4	8	10	2	4	8	10
Light conditions												
0h	19.62±2.89	112.92±12.28	342.65±8.92	1819.62±12.33	29.98±2.89	189.98±6.38	382.58±10.53	1985.50±11.23	32.28±8.82	192.96±6.89	328.92±12.52	1886.00±5.82
natural	52.10±5.12	122.58±8.89	265.48±8.85	1128.82±10.89	48.89±8.84	210.85±7.89	485.50±11.88	1920.28±10.80	58.82±12.55	162.50±5.82	292.85±2.89	1820.20±10.89
24h	66.21±6.69	138.82±6.69	182.90±9.92	1692.00±12.28	72.78±5.92	148.89±12.58	389.98±4.58	1925.26±12.85	82.89±10.89	208.92±7.22	320.25±8.82	1926.20±12.33
Sample D (3)												
Water matrix:	deionized				spring water				tap water			
Week of research:	2	4	8	10	2	4	8	10	2	4	8	10
Light conditions												
0h	18.89±1.12	128.82±6.89	485.50±12.53	2026.65±10.29	29.98±1.12	148.65±7.69	522.20±5.89	2201.20±8.86	29.98±7.48	190.20±4.48	489.50±5.95	1928.20±5.40
natural	62.85±2.28	182.82±12.28	395.20±8.86	1955.20±11.08	89.82±4.20	192.20±8.78	682.30±8.82	1988.78±7.12	90.20±5.13	210.00±5.89	520.60±4.12	1852.20±10.80
24h	82.20±5.89	129.92±14.58	368.60±8.22	1920.20±8.89	98.60±6.70	168.20±7.28	620.28±5.12	1928.20±5.98	88.28±5.92	198.50±7.19	554.80±8.82	1920.20±9.12
Sample MK (4)												
Water matrix:	deionized				spring water				tap water			
Week of research:	2	4	8	10	2	4	8	10	2	4	8	10
Light conditions												
0h	32.20±1.28	158.62±2.82	520.26±4.89	2100.62±4.82	48.80±2.98	186.20±4.58	582.20±5.88	2108.82±10.89	55.18±5.20	189.50±9.12	586.20±8.89	1985.58±8.12
natural	28.80±2.23	149.60±5.12	489.20±4.48	2028.20±10.27	52.00±5.20	210.52±4.82	620.20±5.89	1985.50±9.52	49.20±5.12	210.10±8.88	489.50±8.29	1882.20±7.78
24h	21.00±1.77	129.00±5.88	469.60±4.10	1982.00±7.88	48.89±4.18	198.20±4.20	592.20±5.88	2100.28±6.12	52.20±5.85	192.20±5.12	428.20±6.69	1920.20±10.84

Table 6. Changes in the pH (-) value in the water matrices												
Sample AP (1)												
Water matrix:	deionized				spring water				tap water			
Week of research:	2	4	8	10	2	4	8	10	2	4	8	10
Light conditions												
0h	5.80±0.12	5.72±0.09	5.78±0.11	5.56±0.12	7.75±0.08	7.72±0.09	7.55±0.12	7.18±0.32	6.69±0.80	6.58±0.07	6.12±0.12	5.89±0.09
natural	5.88±0.10	5.52±0.09	5.42±0.12	5.18±0.06	7.70±0.18	7.48±0.08	7.10±0.05	6.88±0.08	6.58±0.10	6.20±0.18	6.10±0.08	5.89±0.09
24h	5.78±0.10	5.60±0.12	5.51±0.09	5.36±0.10	7.52±0.08	7.32±0.20	7.12±0.12	6.90±0.08	6.48±0.09	6.32±0.10	6.10±0.08	5.82±0.10
Sample L (2)												
Water matrix:	deionized				spring water				tap water			
Week of research:	2	4	8	10	2	4	8	10	2	4	8	10
Light conditions												
0h	5.82±0.08	5.46±0.10	5.32±0.07	5.10±0.09	7.75±0.12	7.68±0.08	7.40±0.09	7.12±0.06	6.92±0.10	6.58±0.11	6.32±0.08	5.90±0.09
natural	5.80±0.06	5.42±0.08	5.32±0.10	5.20±0.06	7.29±0.10	7.12±0.08	6.79±0.08	6.65±0.07	6.88±0.12	6.45±0.05	6.22±0.06	6.08±0.09
24h	5.89±0.08	5.66±0.06	5.42±0.06	5.10±0.09	7.12±0.12	6.92±0.06	6.78±0.07	6.62±0.05	6.89±0.09	6.72±0.11	6.54±0.06	6.38±0.05
Sample D (3)												
Water matrix:	deionized				spring water				tap water			
Week of research:	2	4	8	10	2	4	8	10	2	4	8	10
Light conditions												
0h	5.60±0.09	5.52±0.08	5.48±0.11	5.42±0.11	7.20±0.12	7.12±0.09	6.68±0.11	6.40±0.13	7.18±0.08	6.88±0.07	6.42±0.07	6.38±0.06
natural	5.72±0.06	5.64±0.08	5.58±0.08	5.45±0.10	7.16±0.08	7.02±0.11	6.59±0.14	6.42±0.11	7.08±0.10	6.82±0.11	6.55±0.13	6.43±0.10
24h	5.78±0.06	5.65±0.05	5.58±0.08	5.41±0.07	7.32±0.08	7.20±0.05	6.88±0.08	6.42±0.06	7.12±0.05	6.89±0.08	6.72±0.08	6.55±0.11
Sample MK (4)												
Water matrix:	deionized				spring water				tap water			
Week of research:	2	4	8	10	2	4	8	10	2	4	8	10
Light conditions												
0h	5.88 ±0.09	5.69 ±0.12	5.39 ±0.11	5.29 ±0.08	7.20 ±0.13	7.12 ±0.10	7.08 ±0.08	6.85 ±0.12	6.79 ±0.08	6.69 ±0.09	6.48 ±0.10	6.10 ±0.11
natural	5.92 ±0.06	5.69 ±0.11	5.42 ±0.09	5.32 ±0.07	7.12 ±0.05	6.88 ±0.04	6.41 ±0.08	6.29 ±0.06	6.89 ±0.08	6.72 ±0.09	6.51 ±0.08	6.28 ±0.07
24h	5.89 ±0.05	5.72 ±0.08	5.58 ±0.08	5.42 ±0.07	7.18 ±0.07	6.89 ±0.14	6.55 ±0.11	6.39 ±0.05	6.98 ±0.04	6.78 ±0.04	6.49 ±0.06	6.31 ±0.11

Table 7. The magnitude of the toxic effect obtained in <i>Lemna minor</i> growth tests.												
AP (1)												
Test organism:	deionized water				spring water				tap water			
Week of research:	7	9	10	14	7	9	10	14	7	9	10	14
Light conditions												
0h	34.60±3.12	40.16±3.12	43.22±3.87	46.76±3.74	62.21±4.45	63.30±4.78	57.84±3.24	51.50±2.68	77.47±4.32	63.30±4.33	67.40±3.45	67.59±4.13
natural	31.98±3.48	42.78±4.38	47.95±1.32	36.63±2.86	19.62±5.23	36.33±5.12	59.94±3.98	55.58±4.09	10.53±1.98	80.15±3.78	59.15±2.96	56.76±2.33
24h	64.82±2.89	54.94±4.12	53.40±2.88	50.16±3.11	44.77±6.56	63.30±5.06	60.30±4.08	58.49±3.67	49.69±2.96	60.16±2.35	79.77±3.34	63.30±2.96
L (2)												
Test organism:	deionized water				spring water				tap water			
Week of research:	7	9	10	14	7	9	10	14	7	9	10	14
Light conditions												
0h	27.92±3.12	80.94±2.96	69.68±3.29	46.63±4.43	44.01±1.25	78.92±4.13	49.60±3.25	46.63±3.44	31.38±4.12	78.92±4.25	55.98±4.88	26.05±3.14
natural	18.23±1.54	65.09±3.45	44.21±2.25	36.53±2.65	61.55±4.56	41.64±3.45	47.98±4.56	35.79±4.12	15.53±3.09	49.39±4.08	57.48±2.14	44.25±2.56

24h	72.41±2.56	67.59±4.24	51.68±3.58	55.58±3.89	69.06±5.56	73.30±5.12	42.21±5.16	48.17±3.16	22.65±3.15	59.08±5.62	43.38±1.89	45.60±4.33
D (3)												
Test organism:	deionized water				spring water				tap water			
Week of research:	7	9	10	14	7	9	10	14	7	9	10	14
Light conditions												
0h	19.88±2.14	47.59±4.34	56.22±4.78	52.92±3.98	42.71±0.98	71.96±4.35	47.22±3.32	58.49±2.56	26.66±2.13	71.96±4.56	41.72±2.18	40.16±3.23
natural	59.56±4.32	57.69±5.12	41.32±3.21	49.15±5.12	69.97±5.43	54.72±2.54	40.68±4.46	44.50±3.12	59.56±3.25	74.91±3.87	47.83±3.34	39.34±2.19
24h	28.23±1.89	49.15±3.89	48.06±2.28	46.07±2.88	62.21±5.57	71.96±4.23	56.54±3.46	63.30±4.88	39.74±2.88	74.91±4.26	55.29±2.89	54.94±4.28
MK (4)												
Test organism:	deionized water				spring water				tap water			
Week of research:	7	9	10	14	7	9	10	14	7	9	10	14
Light conditions												
0h	43.94±3.63	56.52±3.52	62.64±5.13	69.55±4.55	63.54±5.25	68.49±2.68	43.26±3.78	46.07±5.14	35.62±3.12	66.41±4.22	58.10±3.24	64.74±3.45
natural	30.22±4.85	59.47±4.60	51.68±3.48	71.96±2.87	45.62±3.12	68.21±3.14	47.27±5.21	47.21±3.88	41.40±1.65	63.57±3.56	45.62±4.36	60.12±2.67
24h	44.67±2.85	67.59±2.87	41.32±5.12	53.22±3.56	45.00±5.58	65.74±5.32	71.94±3.88	61.96±3.23	45.62±2.08	65.25±2.86	58.74±4.12	70.60±3.65

Heish, Ch.Y., Meng-Hsiun, T., Ryan, K. & Pancorbo O. (2004) Toxicity of the 13 priority pollutant metals to *Vibrio fisheri* in the Microtox® chronic toxicity test, *Science of Total Environment*, 320, 37-50. [https://doi.org/10.1016/S0048-9697\(03\)00451-0](https://doi.org/10.1016/S0048-9697(03)00451-0)

I _r < 25% - non-toxic	I _r = 25.1 - 50% - low toxic	I _r = 50.1 - 75% toxic	I _r = 75.1 -100% - high toxic
I _r < 0% - growth stimulation			

Table 8. The magnitude of the toxic effect obtained in plant tests – Germination Index (%) for samples marked AP (1)								
Test organism:	Sinapis alba				Lepidium sativum			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/deionized water								
0h	71.52±4.23	52.18±2.88	31.74±3.21	35.63±2.45	79.87±2.54	52.85±3.44	32.47±4.12	50.49±3.76
natural	77.88±2.35	54.55±3.45	40.47±1.06	41.41±3.12	50.41±2.12	48.41±4.87	46.12±1.86	55.41±3.46
24h	80.88±3.68	54.63±4.98	41.87±1.73	37.88±3.32	79.88±4.08	51.69±3.38	60.18±4.67	54.78±3.24
Test organism:	Sinapis alba				Lepidium sativum			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/spring water								
0h	77.89±4.65	67.20±2.55	49.64±2.14	29.88±3.23	77.67±1.56	52.15±2.98	35.63±3.34	48.88±2.05
natural	60.21±1.55	49.20±1.50	37.89±1.56	49.62±3.20	72.56±2.65	49.20±3.34	48.16±4.32	61.42±3.75
24h	68.74±2.05	54.12±4.32	51.29±2.43	52.84±3.16	68.99±2.34	58.10±2.06	71.54±5.64	62.69±3.28
Test organism:	Sinapis alba				Lepidium sativum			
Light conditions/tap water								
Week of research:	7	9	10	14	7	9	10	14
0h	80.47±2.12	54.12±3.16	32.48±3.25	60.28±4.62	71.49±2.88	60.15±3.95	48.64±3.26	65.47±3.14
natural	78.47±1.86	71.96±4.10	26.33±1.96	52.48±4.55	70.54±2.69	51.45±4.34	49.45±2.38	54.89±4.10
24h	80.61±2.45	55.14±2.14	44.20±5.12	61.46±3.87	69.55±3.12	39.64±4.26	65.52±3.12	61.22±4.66

Baran, A. & Tarnawski, M. (2012) Phytotoxkit/Phytotestkit and Microtox® as tools for toxicity assessment of sediments. *Ecotoxicology and Environmental Safety*, 98, 19–27. <https://doi.org/10.1016/j.ecoenv.2013.10.010>

GI ≥ 100 - growth stimulation	100 > GI ≥ 80 - non-toxicity	80 > GI ≥ 50 - moderate toxicity	50 > GI - high toxicity
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Table 9. The magnitude of the toxic effect obtained in plant tests – Germination Index (%) for samples marked L (2)								
Test organism:	Sinapis alba				Lepidium sativum			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/deionized water								
0h	77.45±0.56	71.23±4.57	42.63±2.56	40.63 ±4.06	80.78 ±4.09	60.54 ±5.13	65.41 ±2.14	62.41 ±3.45
natural	80.63±2.10	58.77±3.25	44.36±3.17	40.65 ±2.24	75.12 ±1.65	60.48 ±4.14	29.78 ±2.12	48.98 ±3.45
24h	78.67±4.90	54.12±3.68	50.20±5.10	60.12 ±3.12	78.88 ±3.56	52.41 ±5.24	44.19 ±3.12	42.41 ±4.78
Test organism:	Sinapis alba				Lepidium sativum			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/spring water								
0h	76.12±3.27	64.19±3.46	55.44±4.98	40.88 ±3.45	96.87 ±2.67	84.78 ±4.34	52.41 ±3.42	52.63 ±3.14
natural	84.19±4.13	48.77±2.18	40.69±3.87	30.52 ±4.23	83.65 ±2.34	54.77 ±3.14	60.41 ±2.65	41.63 ±4.15
24h	80.45±5.13	52.96±6.78	40.88±2.14	49.12 ±3.46	87.82 ±2.89	78.63 ±2.89	58.75 ±5.14	69.88 ±3.46
Test organism:	Sinapis alba				Lepidium sativum			
Light conditions/tap water								
Week of research:	7	9	10	14	7	9	10	14
0h	95.41±3.08	80.14±3.20	57.63 ±3.16	60.42 ±3.26	94.56 ±2.89	82.16 ±5.56	43.33 ±3.36	38.56 ±3.28
natural	90.63±2.10	74.16±3.12	50.87 ±2.56	68.63 ±4.18	88.97 ±2.34	61.20 ±2.88	45.41 ±2.18	50.47 ±3.29
24h	80.86±2.33	70.62±2.15	49.72 ±0.58	60.63 ±5.65	89.57 ±3.10	69.87 ±4.54	37.52 ±2.05	54.36 ±5.43

Table 10. The magnitude of the toxic effect obtained in plant tests for samples marked D (3)								
Test organism:	Sinapis alba				Lepidium sativum			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/deionized water								
0h	88.84 ±1.24	67.59 ±6.12	56.22 ±3.56	72.92 ±3.67	92.59 ±0.89	74.52 ±5.24	68.96 ±5.13	62.63 ±4.88
natural	90.29 ±2.12	57.69 ±5.32	41.32 ±3.25	49.15 ±3.45	91.15 ±1.56	50.63 ±3.88	49.46 ±3.12	61.20 ±5.13
24h	90.49 ±0.89	54.16 ±2.56	29.88 ±3.12	57.28 ±3.28	80.63 ±2.87	50.63 ±4.23	48.63 ±2.87	62.63 ±4.12
Test organism:	Sinapis alba				Lepidium sativum			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/spring water								
0h	84.09 ±1.20	61.22 ±5.42	45.61 ±3.12	37.45 ±2.12	95.67 ±0.93	68.88 ±4.26	40.23 ±3.56	64.78 ±5.14
natural	91.78 ±2.67	58.61 ±1.90	21.43 ±2.12	57.16 ±3.92	90.62 ±2.18	45.63 ±2.06	49.55 ±3.98	56.20 ±3.87
24h	80.41 ±3.20	62.20 ±4.89	39.94 ±2.89	52.42 ±4.16	70.20 ±3.24	70.29 ±3.22	68.99 ±4.23	54.77 ±4.05
Test organism:	Sinapis alba				Lepidium sativum			
Light conditions/tap water								
Week of research:	7	9	10	14	7	9	10	14
0h	90.63 ±1.68	57.88 ±2.14	51.72 ±3.25	55.16 ±3.16	92.48 ±1.56	80.52 ±4.31	66.88 ±3.24	61.42 ±3.43
natural	89.63 ±2.16	60.14 ±2.18	47.83 ±2.19	49.34 ±3.35	90.12 ±1.16	67.85 ±5.20	59.63 ±3.32	47.88 ±3.68
24h	90.63 ±1.26	61.39 ±2.20	52.16 ±2.65	59.54 ±2.12	82.56 ±2.24	63.42 ±4.35	50.67 ±4.12	50.12 ±4.67

Table 11. The magnitude of the toxic effect obtained in plant tests for samples marked MK (4)								
Test organism:	Sinapis alba				Lepidium sativum			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/deionized water								
0h	93.15 ±3.52	52.48 ±2.55	19.88 ±5.12	51.09 ±2.34	79.54 ±2.85	50.67 ±2.33	70.52 ±2.35	79.15 ±2.42
natural	98.89 ±2.87	49.84 ±3.68	29.72 ±3.65	34.98 ±3.56	71.24 ±2.43	45.63 ±2.56	68.88 ±3.15	68.99 ±2.33
24h	85.12 ±3.45	50.89 ±1.85	34.16 ±5.25	61.85 ±5.15	85.12 ±2.10	60.56 ±3.18	66.41 ±2.58	51.52 ±3.24
Test organism:	Sinapis alba				Lepidium sativum			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/spring water								
0h	80.16 ±3.90	48.77 ±4.32	26.97 ±3.29	34.16 ±5.25	88.99 ±2.44	58.99 ±3.15	29.88 ±3.12	51.65 ±5.27
natural	88.52 ±4.26	20.16 ±3.45	38.74 ±4.88	48.12 ±4.21	88.63 ±1.53	70.26 ±4.65	39.65 ±4.15	80.52 ±2.88
24h	92.87 ±3.67	59.88 ±4.88	27.44 ±3.65	68.42 ±3.24	70.56 ±3.25	74.96 ±5.16	40.56 ±4.06	67.20 ±3.15
Test organism:	Sinapis alba				Lepidium sativum			
Light conditions/tap water								
Week of research:	7	9	10	14	7	9	10	14
0h	82.87 ±1.28	57.87 ±3.25	31.47 ±2.45	64.74 ±5.15	120.14 ±3.16	80.29 ±5.89	50.22 ±4.12	70.14 ±4.13
natural	96.42 ±2.18	67.88 ±4.56	20.19 ±2.09	60.12 ±4.65	90.63 ±2.55	71.63 ±4.88	40.20 ±3.56	59.88 ±4.08
24h	94.71 ±1.89	24.71 ±4.21	49.64 ±3.67	68.74 ±5.54	92.69 ±3.12	41.45 ±4.68	42.53 ±4.06	55.65 ±5.35

Table 12. The magnitude of the toxic effect obtained in plant tests for samples marked AP (1)								
E(%): Mean±SD								
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/deionized water								
0h	0.00±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
natural	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
24h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	25.00±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	25.00 ±0.00
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/spring water								
0h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
natural	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
24h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/tap water								
0h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
natural	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
24h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00

Heish, Ch.Y., Meng-Hsiun, T., Ryan, K. & Pancorbo O. (2004) Toxicity of the 13 priority pollutant metals to *Vibrio fischeri* in the Microtox® chronic toxicity test, *Science of Total Environment*, 320, 37-50. [https://doi.org/10.1016/S0048-9697\(03\)00451-0](https://doi.org/10.1016/S0048-9697(03)00451-0)

I < 25% - non-toxic	I = 25.1 - 50% - low toxic	I = 50.1 - 75% toxic	I = 75.1 -100% - highly toxic
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Table 13. The magnitude of the toxic effect obtained in plant tests for samples marked L (2)								
E(%): Mean±SD								
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/deionized water								
0h	0.00 ±0.00	0.00 ±0.00	25.00 ±0.00	27.50 ±6.20	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
natural	0.00 ±0.00	0.00 ±0.00	25.00 ±0.00	33.30±6.83	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
24h	0.00 ±0.00	0.00 ±0.00	25.00 ±0.00	40.00 ±4.47	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/spring water								
0h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	8.33 ±4.08	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
natural	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	5.83 ±3.76	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
24h	0.00 ±0.00	19.17 ±6.65	11.67 ±2.58	29.17 ±9.17	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	6.67 ±4.08
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/tap water								
0h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
natural	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	4.17 ±3.76	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
24h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	10.83 ±2.04	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00

Table 14. The magnitude of the toxic effect obtained in plant tests for samples marked D (3)								
E(%): Mean±SD								
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/deionized water								
0h	0.00 ±0.00	0.00 ±0.00	11.67 ±2.58	28.89 ±8.89	0.00 ±0.00	0.00 ±0.00	5.89 ±2.58	15.92 ±3.12
natural	0.00 ±0.00	0.00 ±0.00	5.89 ±2.58	33.33 ±3.89	0.00 ±0.00	10.28 ±2.58	21.89 ±4.32	38.28 ±4.32
24h	0.00 ±0.00	0.00 ±0.00	18.33 ±5.16	40.28 ±8.12	0.00 ±0.00	12.38 ±3.12	22.33 ±6.80	39.29 ±3.98
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/spring water								
0h	0.00 ±0.00	0.00 ±0.00	4.88 ±5.16	10.98 ±3.98	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	16.68 ±4.08
natural	0.00 ±0.00	0.00 ±0.00	6.93 ±4.07	28.89 ±5.87	0.00 ±0.00	0.00 ±0.00	5.98 ±2.98	22.38 ±5.18
24h	0.00 ±0.00	0.00 ±0.00	16.58 ±5.89	32.38 ±8.82	0.00 ±0.00	0.00 ±0.00	18.98 ±4.08	38.96 ±4.88
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/tap water								
0h	0.00 ±0.00	0.00 ±0.00	15.32 ±5.88	24.98 ±4.92	0.00 ±0.00	0.00 ±0.00	14.88 ±3.92	34.56 ±5.93
natural	0.00 ±0.00	2.89 ±2.08	19.98 ±4.98	32.88 ±3.88	0.00 ±0.00	6.89 ±4.08	22.36 ±4.89	38.89 ±6.16
24h	0.00 ±0.00	6.89 ±3.12	12.23 ±4.98	38.89 ±5.12	0.00 ±0.00	12.92 ±3.12	18.26 ±4.08	41.08 ±5.08

Table 15. The magnitude of the toxic effect obtained in plant tests for samples marked MK (4)								
E(%): Mean±SD								
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/deionized water								
0h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
natural	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
24h	0.00 ±0.00	0.00 ±0.00	4.89 ±3.09	5.12 ±2.98	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	4.83 ±4.12
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/spring water								
0h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
natural	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	5.28 ±3.85
24h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	15.86 ±4.08	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	4.29 ±4.07
Test organism:	<i>Daphnia magna</i>				<i>Artemia salina</i>			
Week of research:	7	9	10	14	7	9	10	14
Light conditions/tap water								
0h	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	4.58 ±4.09	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00
natural	0.00 ±0.00	0.00 ±0.00	3.28 ±2.08	9.89 ±3.92	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	4.88 ±4.39
24h	0.00 ±0.00	0.00 ±0.00	6.98 ±4.08	16.89 ±4.12	0.00 ±0.00	0.00 ±0.00	0.00 ±0.00	18.28 ±4.92