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SOME ASPECTS OF THE DETRITUS FOOD CHAIN

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Abstract. Freshwater cladocerans were shown to be able to survive and reproduce for long periods of time, feeding on detritus of various origins. The nutritional value of detritus was determined based on the growth and reproduction rates of the aquatic organisms. The results indicate that the caloric value of detritus of various origins depends on its age.

Keywords: detritus, aquatic organisms, cladocerans, plankton, population

[1–3].

(*Mytilus edulis*),

[4, 5].

).

[6-8].

[9].

« »

Gloeotrichia,

2021 2022 .
0, 4, 21, 40, 70 , *Microcystis* 0, 4, 12, 42

0, 3, 10, 20,

42 , 0, 3, 6, 11, 22 *Chlorella vulgaris* –

(5 .) 5 /

(=20°)

$$D = \frac{W_1 - W_0}{t}$$

D – () () ; W_0 – ()

() ; t () ; W_i – ()

(I).

(0-25)
(*Ch. Vulgaris*).

13,7 %.

20 % (12,0-20,0 %),

	()	<i>Gloeotrichia</i>				<i>Microcystis</i>		<i>Ch. vulgaris</i>			
		()	Cw, %	()	Cw, %	()	Cw, %	()	Cw, %		
		1	0	8	20,0	8	18,0	7	14,2	7	17,6
2	3	6	19,2	7	20,0	7	13,4	6	14,9	5	13,7
3	10	4	18,3	6	18,2	6	12,5	4	14,2	4	13,7
4	20	3	17,5	4	17,5	5	12,0	4	14,1	3	13,7
5	40	3	14,8	2	15,8	3	–	3	14,0	2	13,7
6	50	2	14,6	2	–	1	–	–	–	–	13,7

S. crystallina

20 % , 14–15 % .
 (18) , *Ch. vulgaris*,
 13,7 % , – 12,7–19,0 % () .

Microcystis *Gloeotrichia*

S. vetulus 15,9–18,8 % [9].

(*Gloeotrichia*,) (, *Microcystis*) .
S. vetulus , 2 –
Microcystis .
S. vetulus (0 –
) – 3–5 .

S. vetulus

	()	<i>S. Vetulus</i> ()	<i>S. vetulus</i>
1	0	2–18	27,32–48,07
2	3	2–18	5,21–61,36
3	10	2–18	26,54–51,73
4	20	2–18	29,05–48,30
5	50	2–18	14,43–44,33
<i>Microcystis</i>			
1	0	2–18	4,37–65,32
2	5	2–18	4,56–53,61
3	12	2–18	4,63–39,53
4	42	2–18	4,67–38,12
<i>Chlorella vulgaris</i>			
		2–18	5,47–38,07

(3).

3– (%)

		<i>Microcystis</i> , ()			
		0	20	60	80
1	<i>. rectirostris</i>	89,07	60,45	53,82	53,74
2	<i>D. magna</i>	89,67	57,74	51,03	50,96
3	<i>S. vetulus</i>	87,44	58,21	53,58	51,82
4	<i>S. crystallina</i>	90,32	59,39	52,78	51,73
		<i>Gloeotrichia</i> , ()			
1	<i>. rectirostris</i>	99,96	60,45	54,85	53,77
2	<i>D. magna</i>	89,53	57,74	51,03	50,90
3	<i>S. vetulus</i>	88,76	57,27	52,98	51,84
4	<i>S. crystallina</i>	99,32	62,39	53,88	52,98

1.

2.

(0–5).

3.

3–5

40-

1.

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