

582.261.1(477)

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BACILLARIOPHYTA

Bacillariophyta.

: *Bacillariophyta,*

***Geissleria decussis* (Østrup) Lange-Bertalot & Metzeltin (. 1, 2).**

(Synonyms: *Navicula decussis* Østrup 1910, *N. exiguiformis* Hustedt 1944, *N. terebrata* Hustedt 1944, *N. exiguiformis* f. *capitata* Hustedt 1944)

15-33 , 6-9

, 14-18 10

pH 8,74;

-10,6 O/ ³, -19,20 O/ ³.

O₂ - 8,24 O/ ³ (93,5 %), NH₄⁺ - 0,26

N/ ³, NO₂⁻ - 0,006 N/ ³, NO₃⁻ - 0,08 N/ ³, PO₄³⁻ - 0,128 P/ ³;
26.07.2000.

(rammer, Lange-Bertalot, 1986).

(, 1999).

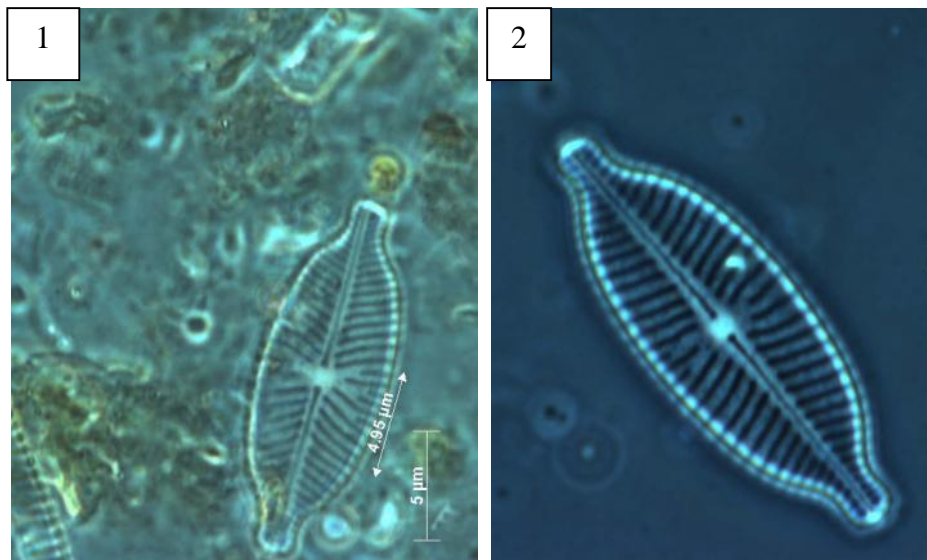
***Luticola goeppertiana* (Bleisch) D.G. Mann (. 3).**

(Synonym: *Navicula goeppertiana* (Bleisch) H.L. Smith 1874-1879. Basionym: *N. mutica* f. *goeppertiana* Bleisch)

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10-65 (144) , 6-15 (36) ().

18-24 (var. *goeppertiana* – 15/10) .



1, 2. *Geissleria decussis* (strup) Lange-Bertalot & Metzeltin

29.07.2003.

() .

() , ()

(rammer, Lange-Bertalot, 1986).

***Frustulia weinholdii* Hust.** (. 4).
(Basionym: *F. weinholdii* Hust.)

28-50 (60) , 6,5-10 .

30-34 10

28-32 10

Y-



3. *Luticola goeppertiana* (Bleisch) D.G. Mann

4. *Frustulia weinholdii* Hust.

15,2 ° , 4.10.2000.

11,6-14,4 O/ ³;
 27,2-29,0 O/ ³;
 O₂ 8,90-7,44 O/ ³ (85,9-84,4 %); NH₄⁺ 0,90-0,23 N/ ³; NO₂⁻
 0-0,005 N/ ³; NO₃⁻ 1,30-0,14 N/ ³; PO₄³⁻ 0,132-0,103 P/ ³.

Frustulia
vulgaris, *F. neomundana*,
 (Lange-Bertalot,
 2001).

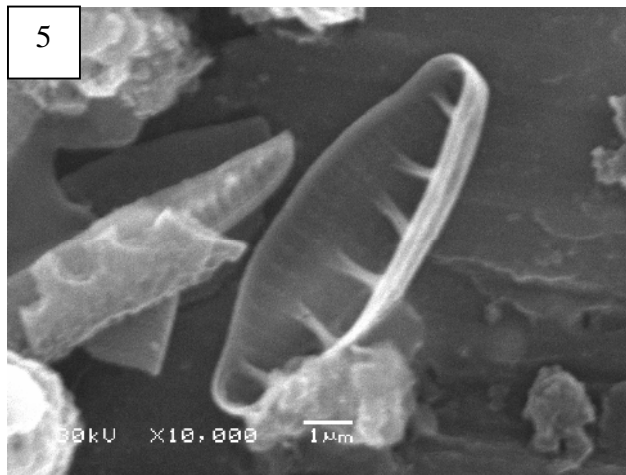
Denticula subtilis Grunow (. 5, 6).

7-20 , 2-3 .

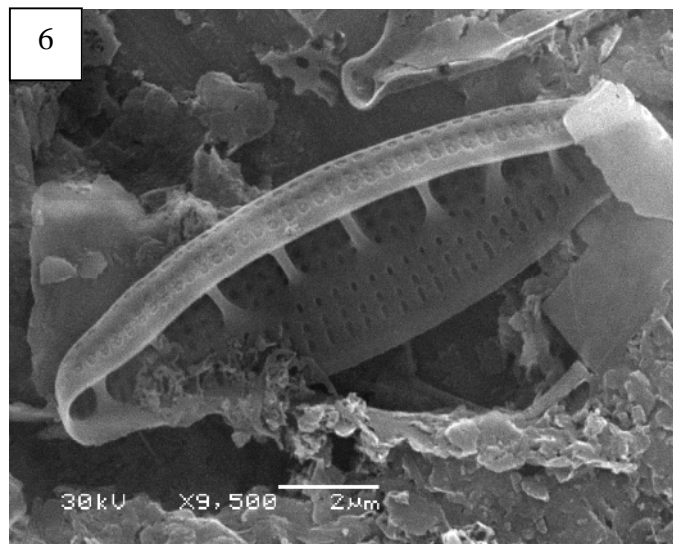
, 60-100 100 . -

, 28-30 10

15,2° , 4.10.2000.



. 5, 6. *Denticula tenuis* Kütz.



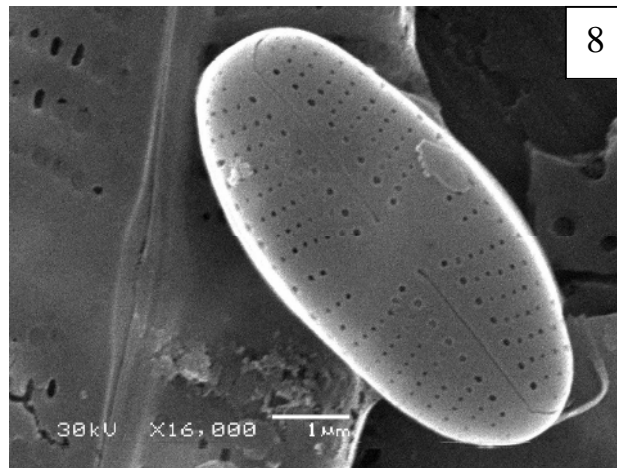
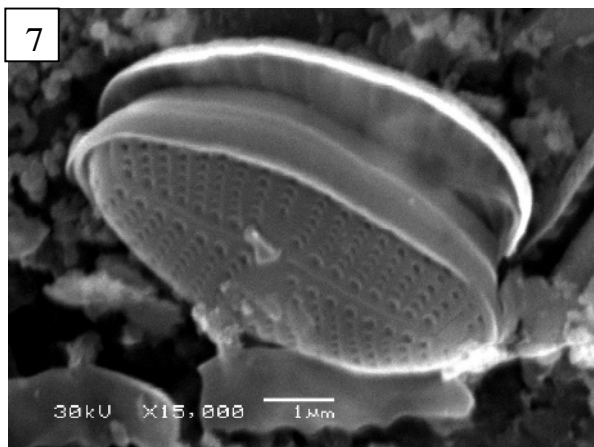
Hustedt (: Krammer, Lange-Bertalot, 1988),

Emsbereich, Laubmoosen

Pfählen.

Achnanthes laenburgiana Hust. (. 7-9).
(Basionym: *Achnanthes laenburgiana* Hustedt 1950)

. 4,5-17 , 3-6 . R- ¹ -
(20) 24-28 10 . RL- ² -
R- .



. 7-9. *Achnanthes laenburgiana* Hust.

¹ R-
² RL-

- – : , 1999. – 396 .
- Krammer K., Lange-Bertalot H. Bacillariophyceae. 1: Naviculaceae.* – Stuttgart; New York: Fischer, 1986. – 876 S. – (Süßwasserflora von Mitteleuropa, Bd. 2.)
- Krammer K., Lange-Bertalot H. Bacillariophyceae. 2: Bacillariaceae, Epithemiaceae, Surirellaceae.* – Jena: Fischer Verlag, 1988. – 536 S. – (Süßwasserflora von Mitteleuropa, Bd. 2.)
- Krammer K., Lange-Bertalot H. Bacillariophyceae. 4: Achnantheaceae, Kritische Ergänzungen zu Navicula (Lineolatae) und Gomphonema Gesamtliteraturverzeichnis.* – Stuttgart; Jena: Fischer Verlag, 1991. – 437 S. – (Süßwasserflora von Mitteleuropa, Bd. 2.)
- Lange-Bertalot H. Navicula sensu stricto 10 genera separated from Navicula sensu lato Frustula. Vol. 2. Diatom of Europe, A.R.G. Gantner Verlag K.G., 2001. – 526 p.*

21.12.06