

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

60 10 , , 14-18 10

pH 8,74; 21,2 °,  
 - 10,6 O/ <sup>3</sup>, - 19,20 O/ <sup>3</sup>.  
 O<sub>2</sub> - 8,24 O/ <sup>3</sup> (93,5 %), NH<sub>4</sub><sup>+</sup> - 0,26  
 N/ <sup>3</sup>, NO<sub>2</sub><sup>-</sup> - 0,006 N/ <sup>3</sup>, NO<sub>3</sub><sup>-</sup> - 0,08 N/ <sup>3</sup>, PO<sub>4</sub><sup>3-</sup> - 0,128 P/ <sup>3</sup>;  
 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/ <sup>3</sup>;  
 27,2-29,0 O/ <sup>3</sup>;  
 O<sub>2</sub> 8,90-7,44 O/ <sup>3</sup> (85,9-84,4 %); NH<sub>4</sub><sup>+</sup> 0,90-0,23 N/ <sup>3</sup>; NO<sub>2</sub><sup>-</sup>  
 0-0,005 N/ <sup>3</sup>; NO<sub>3</sub><sup>-</sup> 1,30-0,14 N/ <sup>3</sup>; PO<sub>4</sub><sup>3-</sup> 0,132-0,103 P/ <sup>3</sup>.

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

*Denticula subtilis* Grunow ( . 5, 6).

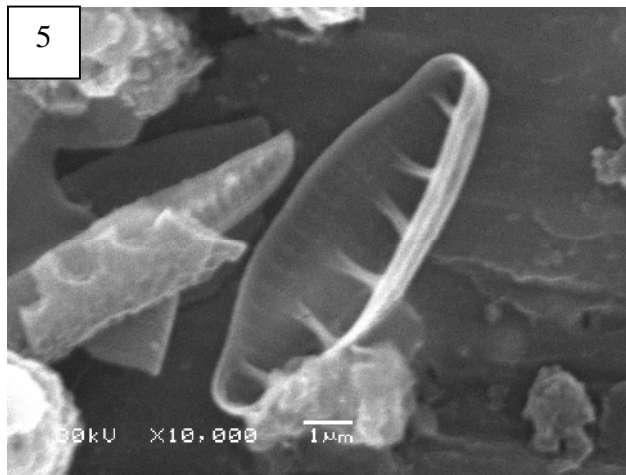
7-20

2-3

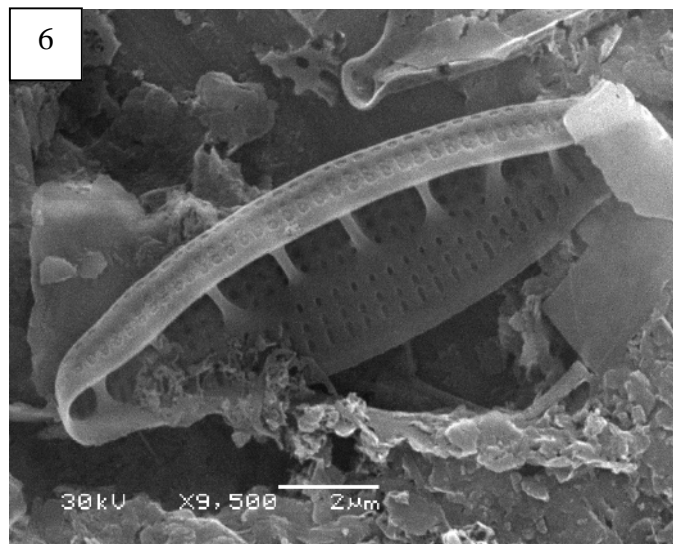
, 60-100 100

, 28-30 10

15,2° , 4.10.2000.



. 5, 6. *Denticula tenuis* Kütz.



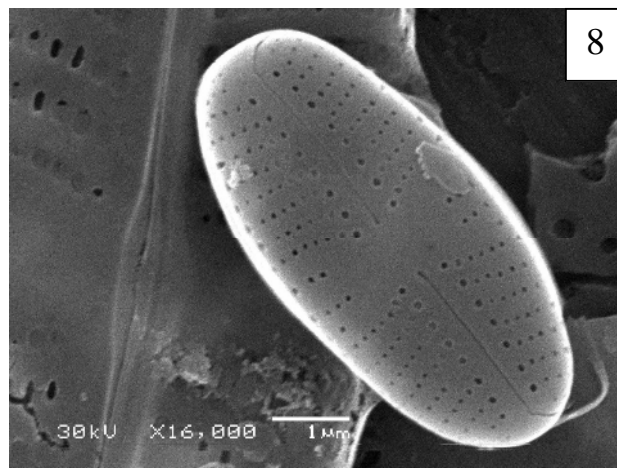
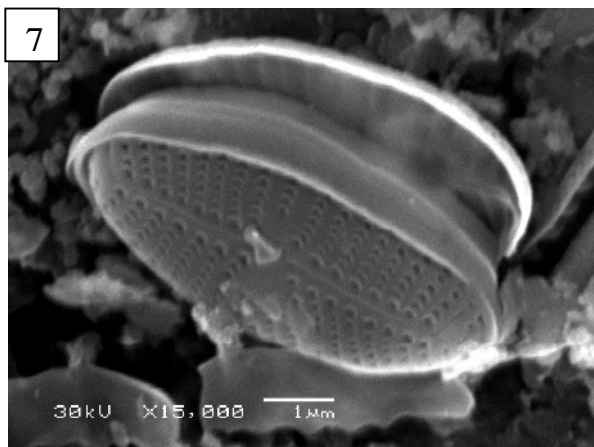
Hustedt ( : Krammer, Lange-Bertalot, 1988),

Emsbereich, Laubmoosen

Pfählen.

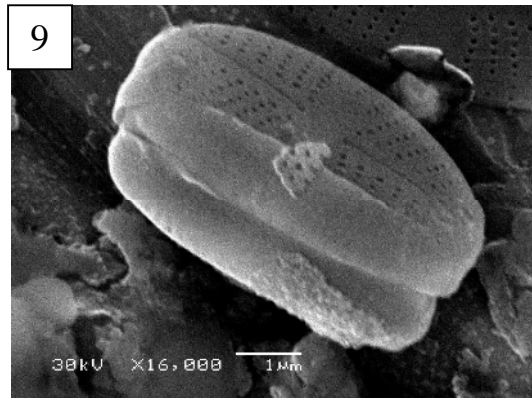
***Achnanthes laenburgiana* Hust.** ( . 7-9).  
(Basionym: *Achnanthes laenburgiana* Hustedt 1950)

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



. 7-9. *Achnanthes laenburgiana* Hust.

<sup>1</sup> R-  
<sup>2</sup> RL-



15,2 °, 4.10.2000  
 21,2 °, pH 8,74; - 10,6 O/ <sup>3</sup>,  
 - 19,20 O/ <sup>3</sup>;  
 8,24 O/ <sup>3</sup> (93,5 %), NH<sub>4</sub><sup>+</sup> - 0,26 N/ <sup>3</sup>, NO<sub>2</sub><sup>-</sup> - 0,006 N/ <sup>3</sup>, NO<sub>3</sub><sup>-</sup> -  
 0,08 N/ <sup>3</sup>, PO<sub>4</sub><sup>3-</sup> - 0,128 P/ <sup>3</sup>, 26.07.2000.

(Krammer, Lange-Bertalot, 1991).

*Achnanthes lauenburgiana*

*Geissleria*

*decussis* *Luticola goeppertiana*  
 (INRA),

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NEW SPECIES OF *BACILLARIOPHYTA* FOR FLORA OF UKRAINE

Data about finding of species of *Bacillariophyta* new for Ukraine are presented. Detailed descriptions and drawings are given.

*Key words*: *Bacillariophyta*, new species, Ukraine.

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