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- - , -75300,
2 , - , -75270,

***NIZAMUDDINIA ZANARDINII* (SCHIFF.) P. SILVA**

Nizamuddin *zanardinii* (Schiff.) P. Silva (= *Sargassopsis* *zanardinii* (Schiff.) Nizamuddin et al.),
().

: , *Phaeophycota*, *Fucales*, *Nizamuddinia*, *Sargassopsis*,

Sargassum *zanardinii*
(Schiffner, 1934),
,
yemense De Notaris f. *monstrosum*.

Sargassum-
(Zanardini, 1858) *Sargassum*

(Banaimoon, 1991).

(Nizamuddin et al., 1993)

Sargassopsis.

(Silva et al., 1996)

Sargassopsis Nizamuddin et al. (1993) –

Sargassopsis Trevisan (1843),

Sargassum: *S. decurrens* (R. Brown ex Turner) C. Ag., *S. peronii* C. Ag. *S. boryi*

C. Ag.

Nizamuddinia,

N. zanardinii (Silva et al., 1996).

2008 . -

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4 %-

Nikon PFX, Japan.

Nikon F 601.
(FUU-SWH)

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***Nizamuddinina zanardinii* (Schiff.) P. Silva in Silva et al. 1996: 655**

Basionym: *Sargassum zanardinii* Schiff. 1934: 118 = *S. yemense* De Not. f. *monstrosum* Zanardini 1858: 237.

Synonym: *Sargassopsis zanardinii* (Schiff.) Nizamuddin et al. 1993: 110.

: Schiffner, 1934: 118; Jensen, 1974: 47; Barratt et al., 1986: 1; Nizamuddin et al., 1986: 7, 1993: 110; Anonymous, 1988: 23; Sheppard & Salm, 1988: 269; Sheppard et al., 1992: 135; Ormond & Banaimoon, 1994: 117; Shameel et al., 1996: 227, 2000: 87; Silva et al., 1996: 655; Shameel, 2000: 52.

54

(, I). « » -

, 27 .; , 8-

10

: 60

0,3-0,6

10

0,5-

5 ., 0,3-0,6

15

, 0,2-2,5

, 2-10

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0,3-1,0 .

(, 2). : « » 375 .;

, 10-15 .. 5-7,5 . (, 3);

10-15 .. 5,0-7,5 ; , 5-50

5-6 , , -

, 10-15 .. 5-7,5 .. (, 4).

« » 500-650 .;

, 25-35 .. 5-10 .

(, 5), (, 6);

, 32,5-

45 .. 12,5-25 . (, 7);

5-6 , , , 7,5-25 .. 5-

12,5 .. (, 8).

« » 750-800 .;

, 25-37,5 .. 2,5-7,5 .;

, 12,5-30 .. 10-25 ..

5-7,5 (, 9);

5-6 , , -

20-32,5 .. 5-17,5 .. (, 10).

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, 32,5-100 .. 22,5-32,5 . (, 11).

225 ..

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(, 12).

17,5-50 , 5-10 ; , ,
 , 12,5-50 , 10-25 ; , ;
 5-6 ; , ;
 , 20-30 , 2,5-7,5 , .
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 : 60
 ,
 10 , , 0,5-5 , 0,3-0,6 ,
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 , 0,2-2,5 . , ,
 , 2-10
 (,
), , - ,
 0,3-1 . 3-4
 , , 3-4
 32,5-50 , 12,5-25 .
 (, 13).
 (, 14), (, 15);
 2-4, 35-50 , 12,5-20 , - (, 16).
 .
 () (. . . , 7-7-2008).
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 . , , , , .

Phaeophycota (*Fucophyceae*, *Fucales*,
Sargassaceae; . Shameel, 2008)

(Shameel et al., 2000)
Sargassopsis zanardinii (Nizamuddin et al., 1993) *nomen nudum*, (Barratt et al., 1986; Nizamuddin et al., 1986; Anonymous, 1988; Sheppard & Salm, 1988; Sheppard et al., 1992). (Shameel et al., 1996)
Nizamuddinina zanardinii (Silva et al., 1996), (Nizamuddin et al., 1986) *Sargassum filiforme* Montagne *Sargassopsis*, (Nizamuddin et al., 1993), (Nizamuddin et al., 1993)
S. zanardinii.
N. zanardinii.

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ANATOMICAL STUDIES ON A NEW BROWN ALGA, *NIZAMUDDINIA ZANARDINII* (SCHIFF.) P. SILVA

A newly established fuclean alga, *Nizamuddinina zanardinii* (Schiff.) P. Silva (= *Sargassopsis zanardinii* (Schiff.) Nizamuddin et al.) was collected from the coast of Ormara, Balochistan (Pakistan), and investigated in detail for its morphology, anatomy, and reproduction. This is the first study of its internal structure.

Keywords: algae, haeophycota, Fucales, *Nizamuddinina*, *Sargassopsis*, taxonomy, morphology, anatomy, reproduction.

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