

Diazomatolithus subbeticus GRÜN, 1975

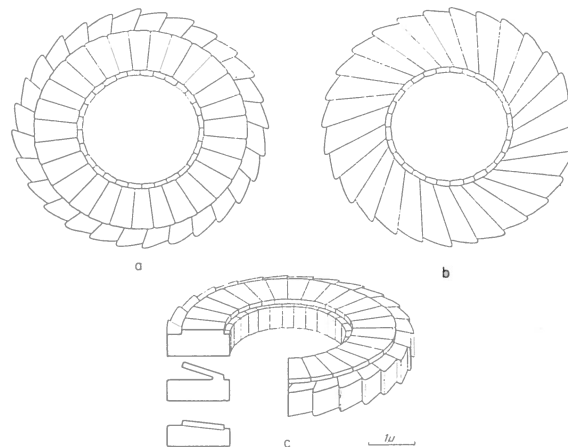
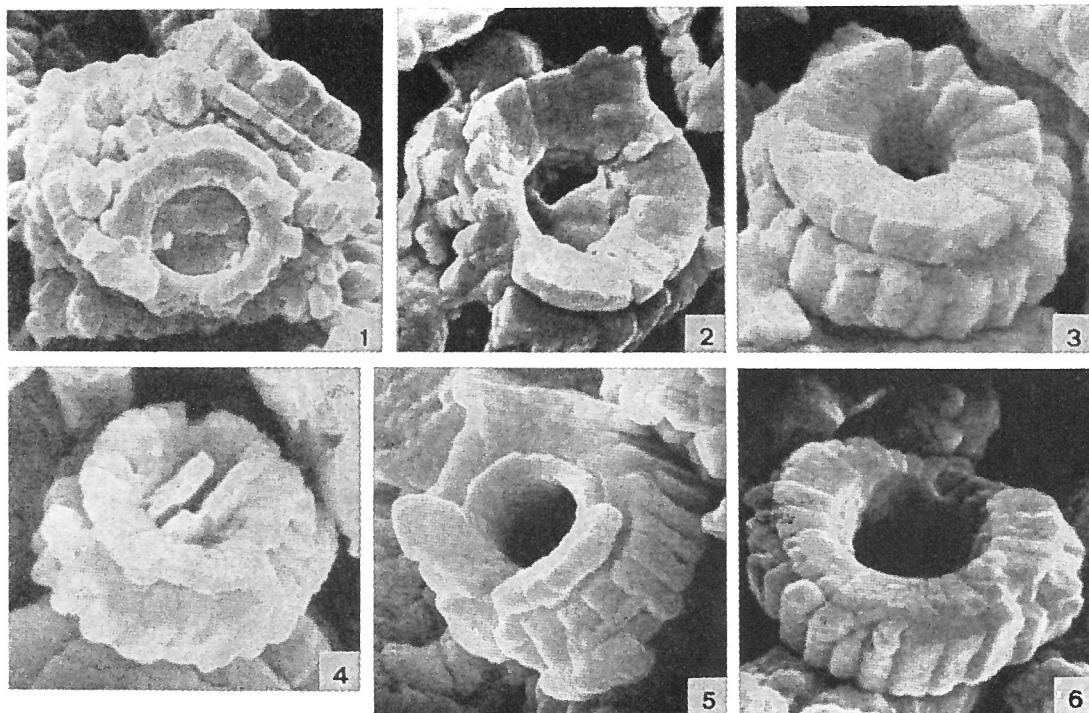


Fig. 31 — Schematic drawings of *Diazomatolithus subbeticus* n. sp. a) distal view - b) proximal view - c) oblique view on the proximal side.



Figs. 1-6 — *Diazomatolithus subbeticus* n. sp. 1) Coccosphere, heavily destroyed. Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 71.161. Stereoscan micrograph 217/4, 10,770 x. 2) Proximal view. Miravetes; *jacobi*-zone, *C. alpina*-subzone, All 71.119. Stereoscan micrograph 126/4, 16,100 x. 3) Oblique view on the proximal side. Miravetes; *callisto*-zone, *simplex-oblonga-dadayi*-subzone, All 71.211. Holotype: Stereoscan micrograph 436/7, 14,500 x. 4) Oblique view on the proximal side. Miravetes; *picteti-malbosii*-zone, *Cps. simplex*-subzone, All 71.197. Stereoscan micrograph 318/5, 13,500 x. 5) Oblique view on the proximal side. Miravetes; *privasensis*-zone, *C. elliptica*-subzone, All 70.90. Stereoscan micrograph 222/6, 12,100 x. 6) Oblique view on the proximal side. Miravetes; *euxina*-zone, *C. alpina*-subzone, All 71.122. Stereoscan micrograph 171/3, 16,100 x.

Description:

The almost circular coccolith consists of two shields. The distal shield has 24 to 32 serrate elements with slight clockwise precession. The 24 to 32 radially arranged elements of the proximal shield are flat and wedge-shaped. In lateral view this coccolith is almost rectangular. The angle between the distal and proximal shields varies from 0° to 20°. The free central area shows great variation in its diameter.

Dimensions: diameter of coccoliths: 4-6,5 μ ; diameter of central area: 1,2-3,5 μ ; height: 1-1,5 μ .

Remarks:

There are some similarities to *Diazomatolithus lehmani* NOËL, 1965, but *D. subbeticus* differs from that species in the counter-clockwise precession of its distal (not proximal) shield. In cross-section *D. lehmani* is much higher and shows a clearly rounded shape.

Type level:

Upper Berriasian. (*Callisto* zone; *R. dadayi-Cps. oblonga* subzone).

First occurrence: Miravetes - All 71.113 - Upper Tithonian (*Jacobi* zone; *Cr. intermedia* subzone).

Known range: Upper Tithonian-Valanginian.

Type locality:

Caravaca, Miravetes section, All 71.211. (Spain).

Depository:

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Holotype: fig. 3; Stereoscan micrograph 436/7.

Author:

Grün W., 1975, p. 196, text-fig. 31; pl. 9, figs. 1-6, in Grün W. and Allemann F.

Reference:

The Lower Cretaceous of Caravaca (Spain). Berriasian Calcareous Nannoplankton of the Miravetes Section (Subbetic Zone, Prov. of Murcia). *Eclogae geol. Helv.*, vol. 68, n° 1, pp. 147-211, 34 text-figs., 10 pls.