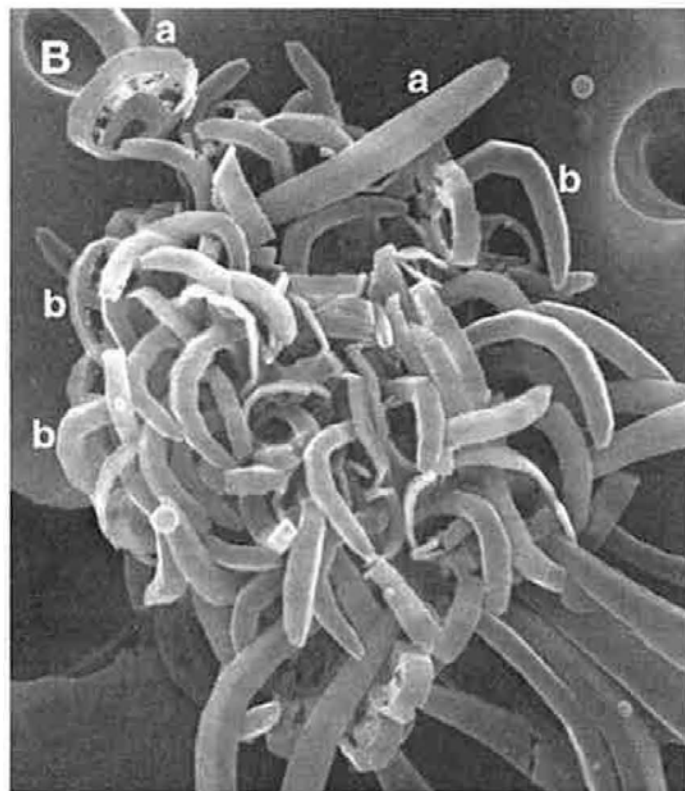
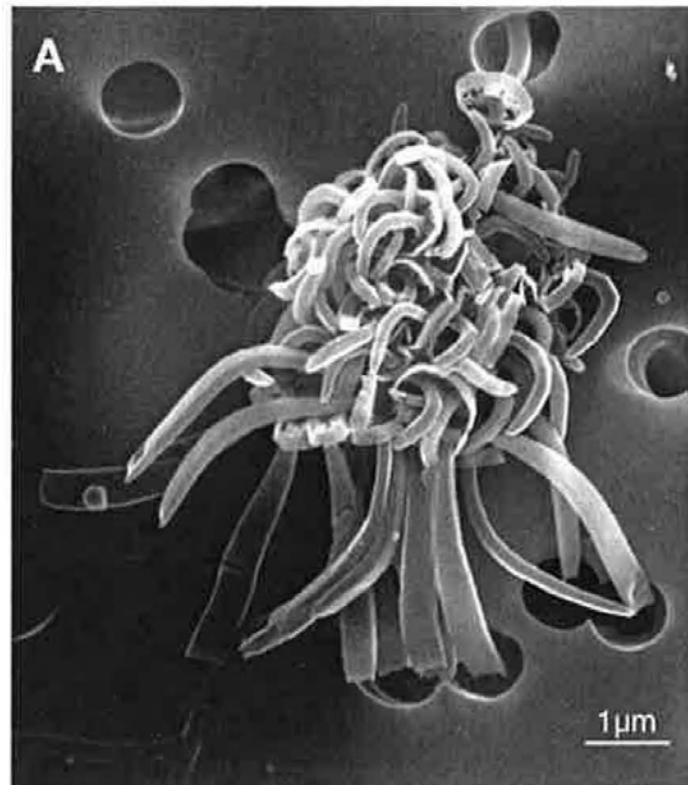


170. *Picarola margalefii* Cros & Estrada (2004)



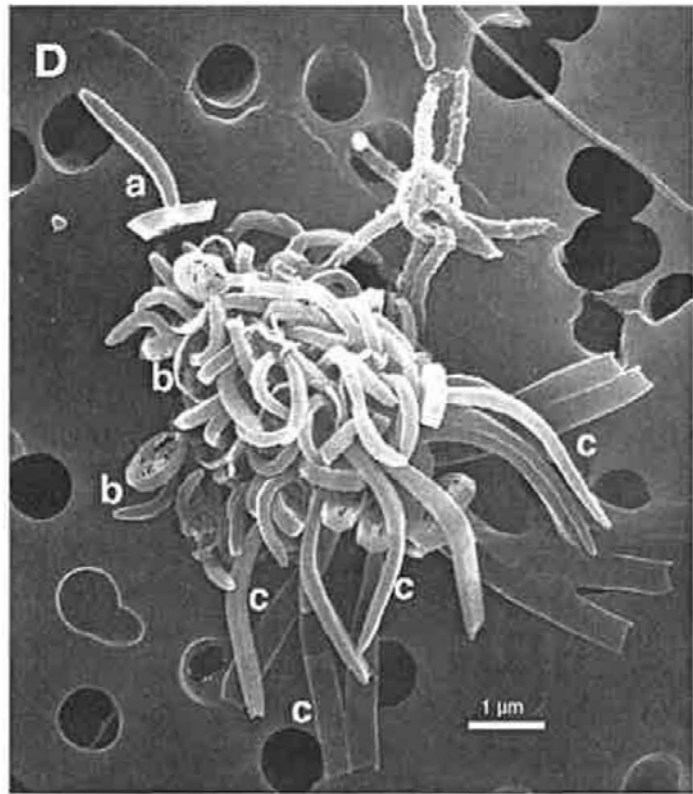
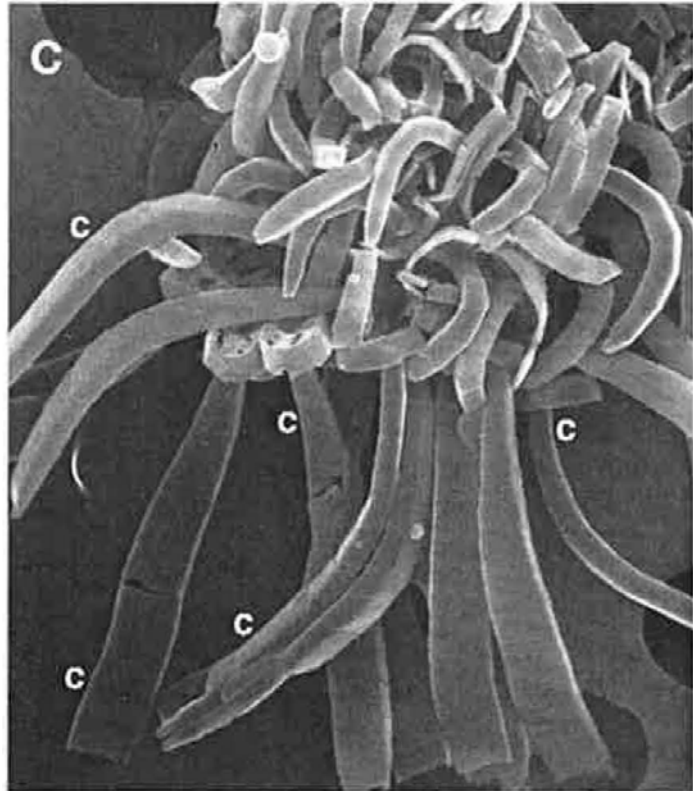


Fig. 2, A-D

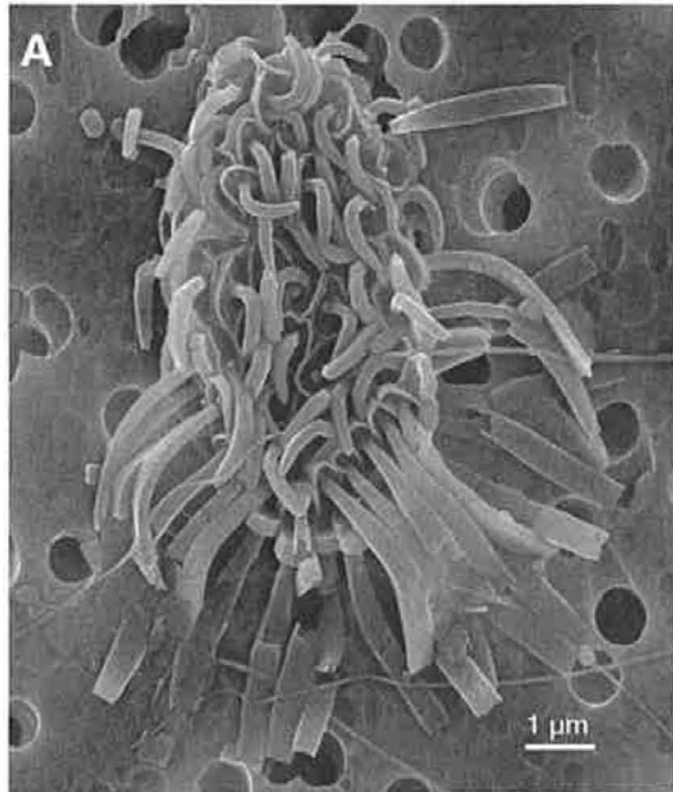


Fig. 3, A, B

Holotype: Figure 2A. Negative 138910. Deposited in the ICM (CSIC) Barcelona.

Type locality: 41°02.3N, 2°14.7E. Station 25WT, at 70 m depth, during the cruise Fronts-95

(NW Mediterranean).

Etymology: The new species *Picarola margalefii* sp. nov., is dedicated to Dr. Ramon Margalef, who studied the phytoplankton of the NW Mediterranean and encouraged our coccolithophore studies in these waters.

Diagnosis: *Coccosphaera* cum longitudine circiter 6 ad 12 μm per axem longiorem, habens circiter 54-80 coccolithos usitatos, circiter 14-28 coccolithos circumflagellares et 0-2 coccolithos antapicales. Coccolithi usitati compositi muro recto et processu quadrato, admodum curvato (circa 90°) et acuto. Coccolithi circumflagellares compositi muro alto et recto et processu longo, leviter curvato et quadrato ad partem proximalem, rectangulari distaliter, desinenti truncate. Coccolithi antapicales compositi muro campaniformi et processu satis recto desinenti in punctum rotundatum.

Coccosphere size ranges around 6 to 12 μm along the longer axis, having approximately 54 to 80 body coccoliths, 14 to 28 circum-flagellar coccoliths and 0 to 2 antapical coccoliths. Body coccoliths have a straight wall and a pointed process, which is squared in section and highly curved (around 90°). Circum-flagellar coccoliths have a straight and high wall and a large and slightly curved process, which has a squared proximal section, a rectangular distal section and finishes abruptly in a truncated end. Antapical coccoliths have a flaring wall and a nearly straight process, which finishes in a rounded tip.

Cros, L. & Estrada, M., 2004. *Picarola margalefii*, gen. et sp. nov., a new planktonic coccolithophore from NW Mediterranean waters. *Scientia Marina*, **68 (Suppl. 1)**: 243-248